LCD TV

23PF9976i

Streamium User Manual

connectedplanet

Streamium

PHILIPS

Contents

Thank you for purchasing this Philips Streamium Television. You are the proud owner of a Streamium LCD TV which promises full value to you as a customer. Please read the user manual and follow the steps and descriptions to enable you to set up your TV to access multimedia content stored on PCs and also brings live streaming Internet entertainment to your existing TV.

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Important information

- Please install and connect the product in the order as described in this manual only.
- Please read this guide carefully before using the Streamium LCD TV and keep it for future reference.
- The most recent downloads and information on this product will be available through our website www.philips.com/streamium.
- Broadband Internet access (min. 256 kbps) is required if you want to use the Internet functions of the Streamium LCD TV.
- Please check whether your Internet service provider charges extra fees for exceeding a certain limit of transferred data.

  When using Internet media services on a daily basis, you may exceed such a limit.

  For example: When you listen to Internet radio (at 64 kbps) for about 36 hours, 1 GB (gigabyte) of data will be transferred to your streamium system. Watching Internet video at 700 kbps exceeds a 1 GB limit in 3 hours.
- During set-up and installation, it may be helpful to have the instructions for your TV set, audio system and wireless base station or other wireless network components (if appropriate) at hand.

Safety Precautions

- NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.
- Before operating the system, check that the operating voltage indicated on the nameplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer.
- Radio equipment for wireless applications is not protected against disturbance from other radio services.
- The product should not be exposed to dripping or splashing.

  No object filled with liquids, such as vases, should be placed on the product.
- Do not expose the system to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
- Allow a sufficient amount of free space all around the Streamium LCD TV for adequate ventilation.
- Do not attempt to repair the product yourself if you experience technical difficulties. Contact your Philips retailer.
- Place the system on a flat, hard and stable surface. When the system is switched to standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.
- Make sure the air around the Streamium LCD TV can circulate to prevent the set from overheating internally. Also, avoid putting any heat sources (e.g. a power amplifier) underneath. The Streamium TV has a thermal shutdown that shuts down the set when the internal temperature exceeds a certain threshold. If this happens, the set switches to standby with the Power-LED flashing on and off. To remedy this situation: disconnect the mains, let the set cool down, improve ventilation, and reconnect the set to the mains.

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Chapter 1 – Installing the software

Start by installing Philips Media Manager

This software enables the transfer of video, music and photo files in your computer to your Streamium LCD TV.

1 Place the Philips Media Manager CD in your CD or DVD's drive and install the Philips Media Manager software.

The CD starts automatically. If it does not, double-click 'My Computer', then the CD-ROM drive icon and finally 'Setup.exe' to start the CD.

2 In the menu that appears on your computer screen, click on 'Install Philips Media Manager', and follow the on-screen instructions.

Start the program by clicking Start > Programs > Philips Media Manager. When opening the Philips Media Manager for the first time, you will be asked if you want to add a folder and scan for media files. Open a drive or a folder with music, photos, or movies in it. (For example: the My Documents folder, if you have stored media files there.)

– You can always add more files and folders at a later time.

3 Adding files to the Media Manager.

Only the files that you see in the Media Manager will be accessible from the Streamium LCD TV.

A) Click one of the media categories: Music, Photos, or Movies.

In this example, click 'Music'.

B) First, click the 'Add Music' button below the media categories, then click 'Add Files or Folders...'.

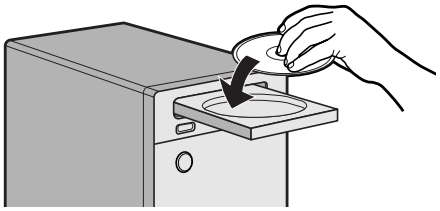
C) Select a folder or one or more media files and click the 'Open' button to add the selected folder or files to the Media Manager window.

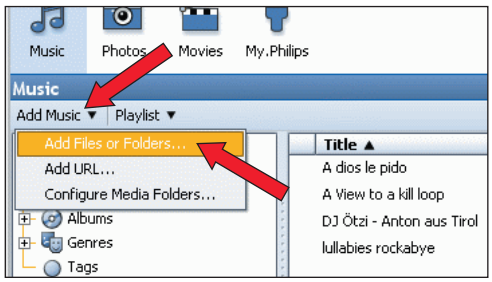
> From now on, the media files you added may be accessed from the Streamium LCD TV.

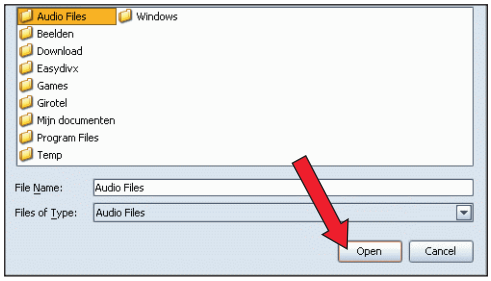
4 Opening and closing the Media Manager window.

You can close the Media Manager window, but its icon will remain active in the lower right corner of your computer monitor. This icon needs to remain visible, otherwise the TV Streamium LCD TV will not be able to access the media files on that computer.

Double-clicking the icon opens the Media Manager window.







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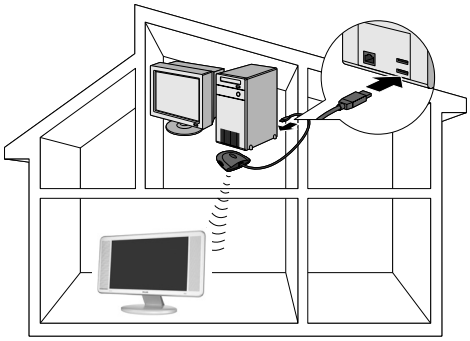
Chapter 2 – Connecting the Streamium LCD TV

Choose the scenario that best fits your situation for installing the Streamium LCD TV.



<u>Option A</u> : If you do not have a wireless computer network:

In this configuration you only have a computer and a Streamium LCD TV.

- You will install a Wireless Network Adapter on your computer.

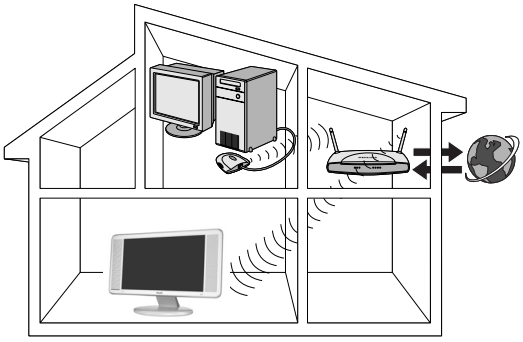
• Go to chapter 2.1 on page 6-7.

OR

<u>Option B</u> : If you already have a wireless computer network:

In this configuration you already have a wireless computer network and a Streamium LCD TV.

- You will check the settings of your existing wireless computer network.
- You will adapt Streamium LCD TV to its settings to match your network.



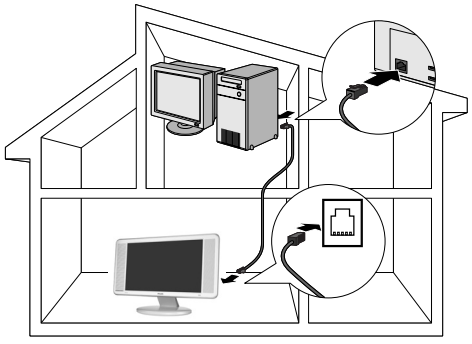
• Go to chapter 2.2 on page 8-9.

OR

Option C: If you want to connect a network cable between the Streamium LCD TV and your PC or wired network:

In this configuration, the Streamium LCD TV and the computer come with a free ethernet connector (or a wired network with a free ethernet connector).

- You will be connecting an Ethernet network cable between the Streamium LCD TV and your computer or wired network.



• Go to chapter 2.3 on page 10-11.

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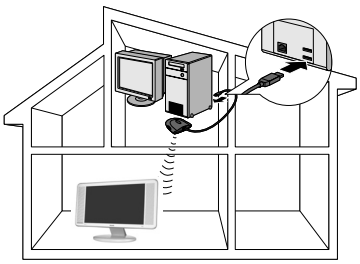
2.1 If you do not have a wireless computer network

Option A

In this configuration you only have a computer and the Streamium LCD TV.

- You will install a Wireless Network Adapter on your computer. At the end, you will be able to send music, movies, and pictures from your computer to your Streamium LCD TV.



1 Install a Wireless Network Adapter (not included, you will have to buy one separately, e.g. the Philips CPWUA054.)

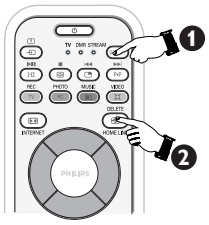
See the separate instructions of the Wireless Network Adapter on how to install the adapter on your PC.

Note: Choose 'Ad-Hoc' as your network type during installation, and set your wireless network name (SSID).

After the Wireless Network Adapter has been installed successfully, continue below.

2 Make sure the Philips Media Manager you installed in chapter 1 is active.

Double-click the Media Manager icon in the lower right corner of your monitor OR click Start / Programs / Philips Media Manager. Leave the Media Manager window open to be sure it is active.



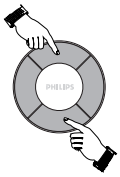
3 Switch on the Streamium LCD TV.

Press the SELECT button repeatedly until STREAM indicator is lighted up.

4 Pressing the HOME LINK button on the remote control.

Do not press the INTERNET button at this time, only the HOME LINK button.

> After about five seconds, a 'Streamium' welcoming message appears on the television screen.



5 If asked, select from the list of wireless network names (SSID) presented to you on the TV screen. Use the navigation buttons Cursor Up /Down on the remote control to select the network name to use and press **OK** button to confirm.

Note: If there is only one wireless network available, it will be selected for you and you will not be asked to select one.

> After about 30 seconds, you will see the PC Link menu appear on your TV screen. If you see the text 'Philips Media Manager' appear on your TV screen, the installation has succeeded. Should the PC Link menu stay empty, see the 'Problem solving' section on page 19-21.

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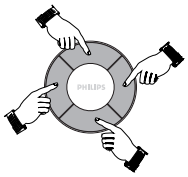
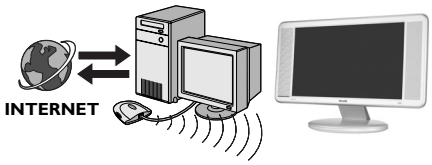
6 **Explore the Home Link menu on the TV screen.**
Use the navigation buttons (Cursor Left/Right/Up/Down) and the **OK** button on the remote control to explore the multimedia content you made available on your PC.

For example: press the Cursor Right *button on the remote control* several times until you have selected a music track, a photo or a movie, *and press* **OK** *button to play it on your television...*

Have fun!



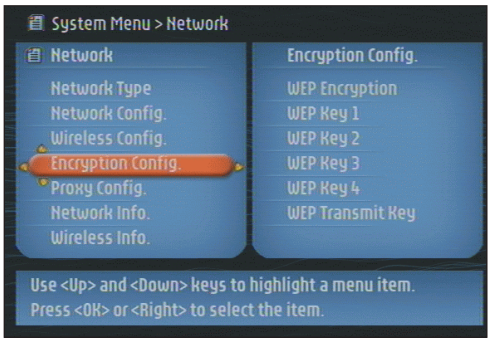
7 **How to enable INTERNET (For playing Internet Radio, Movie Trailers, etc., on your Streamium LCD TV.)**
See the section on 'Enabling broadband Internet entertainment' on page 12-14 for information on how to make your broadband Internet connection (provided you have one) available to the Streamium LCD TV.



If you encounter problems during installation or should you need additional help, then:
a) see Problem solving on page 19-21, or

b) visit our website www.philips.com/streamium, and click on Support and FAQs, or

c) contact our help-line.



Tip: Enable the encryption key to secure your wireless computer network from intruders.
Philips advises you to set an encryption key to secure your wireless network.

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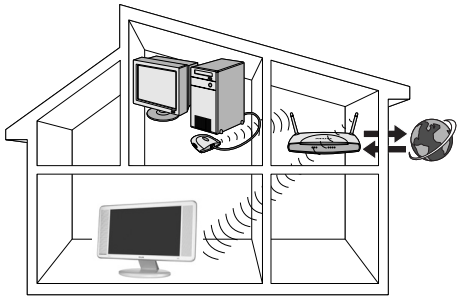
2.2 If you already have a wireless computer network

Option B

In this configuration you already have a wireless computer network, and the Streamium LCD TV.

- You will check the settings of your existing wireless computer network.
- You will connect the Streamium TV and adapt its settings to match your network. At the end, you will be able to send music, photos, and movies from your computer to your Streamium LCD TV.



1 Check your existing wireless network settings so you are able to enter them in STEP 4 of this procedure.
Find out the wireless network name (SSID) and the encryption key you used for securing your wireless network.

Wireless Network Name (SSID):
Usually, you can find the wireless network name in the options menu of your Wireless Network Adapter or Wireless Base Station. To check this, open the program that came with your network adapter.

Encryption key:
The wireless encryption key is a 64 or 128 bit WEP code that secures your wireless network communications.

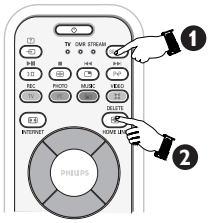
– 64-bit: 5 characters ASCII, or 10 characters HEX, or

– 128 bit: 13 characters ASCII, or 26 characters HEX.

Note : The encryption key is case sensitive, meaning that 'ABC' is not the same as 'aBc'. Always input characters in the correct case to avoid problems. Basically, you will have to try and remember what you set it to. If you cannot remember the encryption key, you will either have to disable it completely for your entire wireless network, or set a new one that you can remember.

Check the:
NETWORK NAME (SSID)
. . . . . .
and
ENCRYPTION KEY
. . . . . .
of your wireless network

2 Make sure the Philips Media Manager you installed in chapter 1 is active.
An icon will appear at the bottom right hand corner of screen.



3 Switch on the Streamium LCD TV.
Press the SELECT button on the remote control repeatedly until STREAM indicator is lighted up.

4 Pressing the HOME LINK button on the remote control.
Do not press the INTERNET button at this time, only the HOME LINK button.

> After about five seconds, a 'Streamium' welcoming message appears on the television screen.

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5 Select your wireless network name, and input the encryption key you found in step 1.

A) If asked, select the wireless network name from the list of wireless network names (SSID) presented to you on the TV screen.

Use the navigation buttons (**Cursor Up**/**Down**) on the remote control to select the correct network name and press **OK** button to confirm.

Note : If there is only one wireless network, it will be selected for you and you will not be asked to select one.

B) If asked, also input the encryption key.

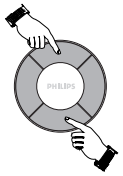
Use the navigation buttons (**Cursor Left**/**Right**/**Up**/**Down**) on the remote control to choose your type of encryption and to input the key itself. Press **OK** button to confirm.

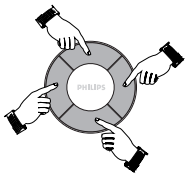
Please remember that the encryption key is case sensitive, meaning that 'ABC' is not the same as 'aBc'. Always input characters in the correct case to avoid problems.

Note : If the wireless network is not encrypted, you will not be asked to input an encryption key.

> After about 30 seconds, you will see the PC Link menu appear on your TV screen.

If you see the text 'Philips Media Manager' appear on your TV screen, the installation has succeeded.



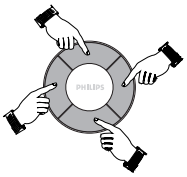


6 Explore the PC Link menu on the TV screen.

Use the navigation buttons (Cursor Left/Right/Up/Down) and the **OK** button on the remote control to explore the multimedia content you made available on your PC.

For example: press the **Cursor Right** *button on the remote control several times until you have selected a music track, a photo or a movie,* and press **OK** button to play it on your television...

Have fun!



7 How to enable INTERNET (For playing Internet Radio, Movie Trailers, etc., on your Streamium LCD TV.)

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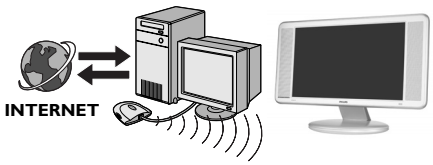

If you encounter problems during installation or should you need additional help, then:

a) see Problem solving on page 19-21, or

b) visit our website www.philips.com/streamium, and click on Support and FAQs, or

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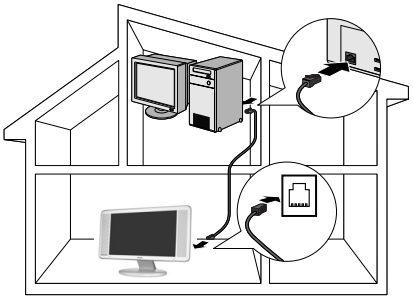
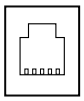
2.3 If you want to make a wired connection





Ethernet port required

Option C

In this configuration your Streamium LCD TV and computer already have a free ethernet connector (or a wired network with a ethernet connector).

- You will be connecting an Ethernet network cable between the Streamium LCD TV and your computer or wired network.
- You will be able to send music, photos, and movies from your computer to your Stremium TV.

  Ethernet ports and cables look just like telephone connections and lines, but are thicker and wider. Ethernet (RJ-45) connectors have eight contacts, whereas standard telephone line (RJ-11) connectors have four or six.

  Important: only use CAT.5 shielded Ethernet cable (STP).

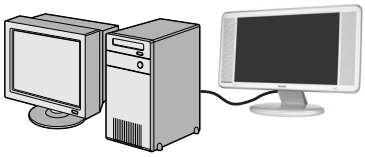
1a Use a crossover Ethernet cable if you want to connect the Streamium LCD TV directly to your computer.

In a crossover Ethernet cable, the arrangement of the coloured wires changes between the two ends.

– Push one end of the Ethernet cable into the connector on the back of the Streamium LCD TV.

– Push the other end into the Ethernet connector of your computer.

Note :Your computer needs to have an Ethernet connector available.



OR

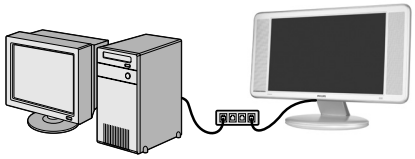
1b Use a straight-through Ethernet cable if you want to connect the Streamium LCD TV to an existing computer network.

In a straight-through Ethernet cable, both ends have the same arrangement of coloured wires.

– Push one end of the Ethernet cable into the connector on the back of the Streamium LCD TV.

– Push the other end into a free Ethernet connector on your central network device, like a hub, switch or router.

Note :Your network needs to have an Ethernet connector available.



Network hub

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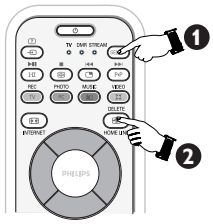
2 **Make sure the Philips Media Manager you installed in chapter 1 is active.**
Double-click the Media Manager icon in the lower right corner of your screen or click Start / Programs / Philips Media Manager.

Leave the Media Manager window open to be sure it is active.

3 **Switch on the Streamium LCD TV.**
Press the SELECT button repeatedly until STREAM indicator is lighted up.

4 **Pressing the HOME LINK button on the remote control.**
Do not press the INTERNET button at this time, only the HOME LINK button.



> After about 30 seconds, you will see the PC Link menu appear on your Streamium LCD TV screen.

If you see the text 'Philips Media Manager' appear on your Streamium LCD TV screen, the installation has succeeded.

5 **Explore the PC Link menu on the TV screen.**
Use the navigation buttons (Cursor Left/Right/Up/Down) and the **OK** button on the remote control to explore the multimedia content you made available on your PC.

For example: press the Cursor Right button on the remote control several times until you have selected a music track, a photo or a movie, and press **OK** *button to play it on your television...*

Have fun!

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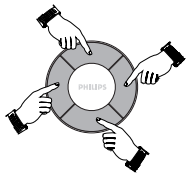

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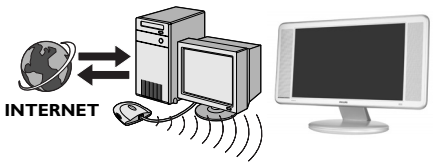

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Chapter 3 – Enabling broadband Internet entertainment

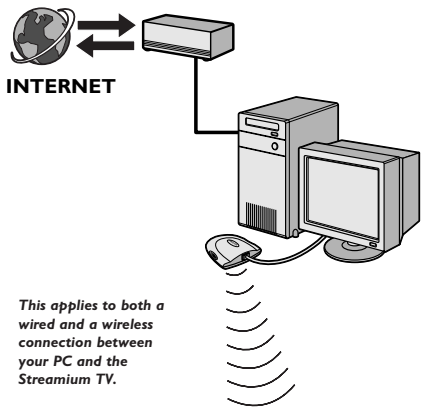
If you have a broadband Internet connection (minimum 256 kbps), you can stream Internet radio stations and movie trailers live from the Internet to the Streamium LCD TV. Broadband internet also provides the on-line upgrades for the Streamium LCD TV. The Internet entertainment offering is constantly being improved and new functions are added. Visit www.philips.com/streamium for the latest possibilities.

3.1 How does your computer connect to the Internet?

Option A: With a wired broadband Internet connection

If you have a PC with a wired broadband Internet connection, you will have to make that Internet connection available to the wireless (or wired) network. To do this, install router/gateway software on the PC for bridging the broadband Internet connection to the wireless or wired network. As an example we have included a chapter on page 38-41 on the Philips Media Manager CD on how to enable Internet Connection Sharing from your Microsoft® Windows® operating system. For Microsoft® and other operating systems, third party router/gateway software is readily available on the market. For more information on sharing an Internet connection, read the documentation that came with the software or with your operating system.

> After bridging the internet connection to your wireless (or wired) network, you will be able to access the Internet just like your computer. Wireless base stations (and wired internet gateway routers) share their broadband Internet access automatically within the network.



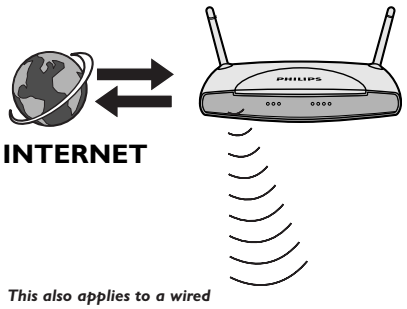
This applies to both a wired and a wireless connection between your PC and the Streamium TV.

OR

Option B: Through a wireless base station

Wireless base stations (and wired internet gateway routers) share their broadband Internet access automatically within the network.

> The Streamium LCD TV will be able to access the Internet just like your other wireless or wired network computer(s).



This also applies to a wired connection between your internet gateway router and the Streamium TV

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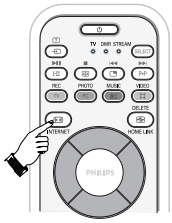
3.2 Pressing the INTERNET button for the first time



1 First, check whether HOME LINK functions correctly. Start the Philips Media Manager program on your computer, and press the HOME LINK button on the remote control. See if the text 'Philips Media Manager' appears on your television screen.

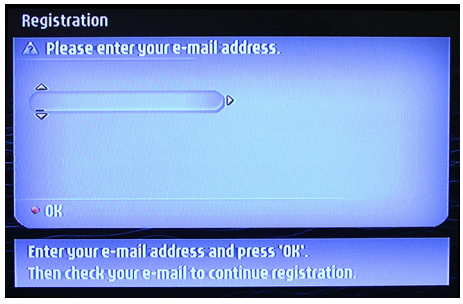
2 Then, check whether the PC on which you are running Philips Media Manager has Internet access by opening a website on the Internet with your Internet browser program (e.g. www.philips.com).

3 Next, press the INTERNET button to start streaming audio and video from the Internet to your Streamium LCD TV.

> You will be asked to register for the free Internet services. See next chapter on how to register.

Note: Internet services will only be available if you register.

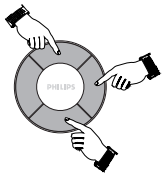
3.3 Registration (for free Internet services)


Registration
Please enter your e-mail address.
OK
Enter your e-mail address and press 'OK'.
Then check your e-mail to continue registration.

When the Streamium LCD TV connects to the Internet for the first time, or after you have reset all menu settings, the Streamium TV will ask you to register your email address. Also, each new user you add will have to register an email address.

1 Use the Cursor (**Up**/**Down**/**Right**) keys on your remote control to enter your email address. If you mis-typed, press Cursor **Left** button to delete the character you have entered. Next, press **OK** button to send your email address to My.Philips.

(See also: Chapter 8 - Entering or editing information)



Alternatively, use SMS TEXT-style keys for inputting your email address. SMS TEXT-style entry can be used to enter alphanumeric information. In this mode, text is entered by a method similar to that used for entering text messages on a cellular telephone.

For example: pressing the '2' key several times will cycle through the following characters : a – b – c – A – B – C – 2... etc

RC Key	SMS-style alphanumeric entry order
1	_ - 1 _ - 1 (etc.)
2	a b c A B C 2 a b c (etc.)
3	d e f D E F 3 d e f (etc.)
4	g h i G H I 4 g h i (etc.)
5	j k l J K L 5 j k l (etc.)
6	m n o M N O 6 m n o (etc.)
7	p q r s P Q R S 7 p q r s (etc.)
8	t u v T U V 8 t u v (etc.)
9	w x y z W X Y Z 9 w x y z (etc.)
0	.@ 0 .@ 0 (etc.)

Tip : The dot, and the @ sign, are under the 0 key. The space, hyphen, and underscore, are under the 1 key.

Note : Within a short time, you will receive an email with instructions on how to create an account at my.philips.com.

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Enabling broadband Internet entertainment

You will need to go to your PC to perform Steps 2 to 4

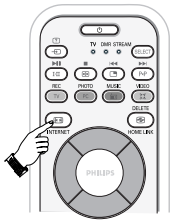
2 From your PC, double-click the website address that is in the email.

3 Fill in the requested data to create an account.

4 After registration you can access the INTERNET service of the Streamium LCD TV and you can manage your user account at 'my.philips.com' by opening this website in your Internet browser program or by clicking the My.Philips button in Philips Media Manager.

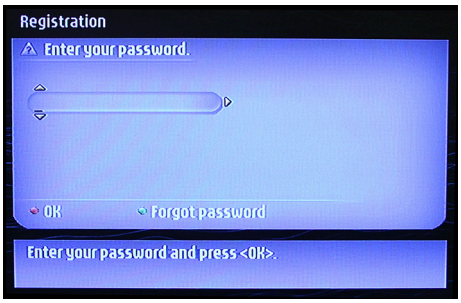
Note : Make note of your password, as you will need it if you want to re-register after resetting the service of the Streamium LCD TV or if you want to access the Internet later.

5 After creating a My.Philips account, proceed to the Streamium LCD TV and press the INTERNET button again.



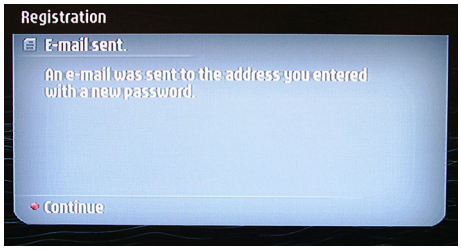
> The Streamium LCD TV will require you to enter the email address.

Enter your password and press the red button on the remote control.



If you forget your password :
Press the green button on the remote control.

> An email will be sent to your email address. Check your email and follow the instructions to change your password.



> The Streamium LCD TV will now have access to the Internet services of your My.Philips account.

Have fun!

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Chapter 4 – Using the Streamium LCD TV

This Streamium LCD TV either connects to your wireless home network (HOME/PC LINK) and plays music, photos, and movies stored on your PC(s), or to the Internet (INTERNET) for accessing various Internet Entertainment services (e.g. internet radio, movie trailers…).

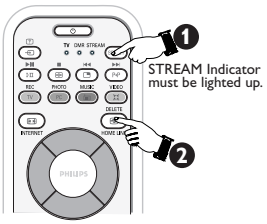
Note: Install the Philips Media Manager software, the Wireless Network Adapter (or wired connection), before you attempt to use the Streamium LCD TV. Also, make sure the Philips Media Manager icon is present in the lower right corner of your computer screen. Internet services require a broadband Internet connection.

IMPORTANT : Before you start using your Streamium LCD TV for Streamium functions or other functions, ensure the RIGHT MODE must be selected.

Switching from TV/FM Radio/PC mode to Streamium mode :

– Press the SELECT button on the remote control repeatedly until the indicator is lighted up at STREAM.

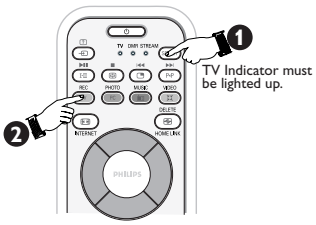
– Press the HOME LINK button to access the PC Link menu on your Streamium TV screen.



Switching from Streamium mode to TV mode :

– Press the SELECT button on the remote control repeatedly until the indicator is lighted up at TV.

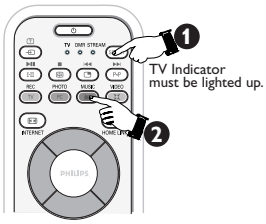
– Press the TV button to return to TV mode to view programmes on your Streamium TV screen.



Switching from Streamium mode to FM Radio mode :

– Press the SELECT button on the remote control repeatedly until the indicator is lighted up at TV.

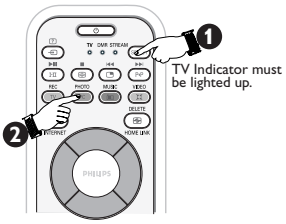
– Press the RADIO button to enter into FM Radio mode. You can now proceed to use your Streamium LCD TV as a radio for your listening pleasure. See the ***TV User Manual's*** section on "Using the Streamium LCD TV as a FM Radio".



Switching from Streamium mode to PC mode :

– Press the SELECT button on the remote control repeatedly until the indicator is lighted up at TV.

– Press the PC button to enter into PC mode. You can now your Streamium TV as a PC monitor. See the ***TV User Manual's*** section on "Using the Streamium LCD TV as a PC Monitor".



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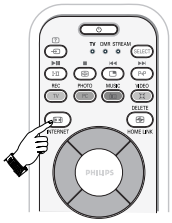
4.1 INTERNET

With INTERNET you can make the Streamium TV play media files (music, photos, movies…) and start other services from the Internet.

1 Press the INTERNET button* on the remote control to open the Navigation View on your TV screen.

* *When the Streamium LCD TV connects to the Internet for the first time, and after resetting, the Streamium LCD TV will prompt you to register.*

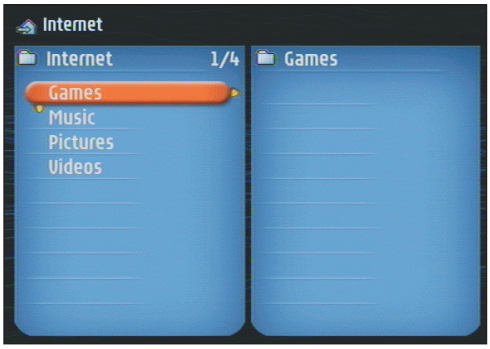
See the chapter *Enabling broadband Internet entertainment* on pages 12-14.



2 Use the navigation buttons (Cursor Left/Right/Up/Down) and the **OK** button on the remote control to explore the available Internet services.

For example: press the Cursor Right button on the remote control several times until you have selected a music track, a photo or a movie, and press **OK** *button to play it on your television...*

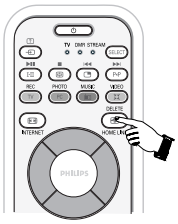
Please, see *Basic navigation* on page 17 for an explanation of the navigation and control functions.



4.2 HOME LINK

With HOME LINK you can make the Streamium LCD TV play media files (music, photos, movies…) that are stored on your PC or a centralised storage such as a Ehub.

1 Press the HOME LINK button on the remote control to open the Navigation View on your TV screen.



2 Use the navigation buttons (**Cursor Left**/**Right**/**Up**/**Down**) and the **OK** button on the remote control to explore the multimedia content you made available on your PC.

For example: press the **Cursor Right** *button on the remote control several times until you have selected a music track, a photo or a movie, and press* **OK** *button to play it on your television...*

Please, see *Basic navigation* on page 17 for an explanation of the navigation and control functions.

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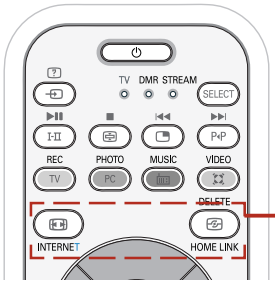
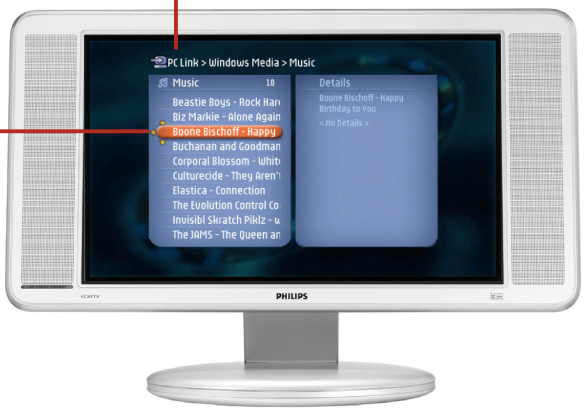
Chapter 5 – Basic navigation

This is the basic way of navigating through all the menus.

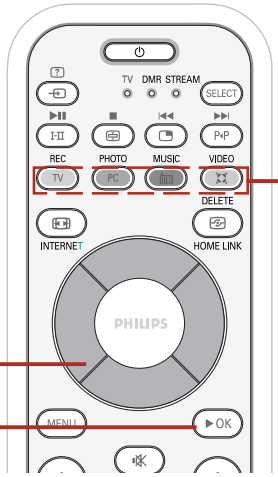


1 Press INTERNET or HOME LINK button on the remote control.

2 The available media sources and services will appear on the TV screen.



3 The little yellow arrows around the highlighted bar indicate which arrow buttons you can press to navigate through the menus on the television screen.



5 If colour coded user options appear on the TV screen, press the matching colour button to use that option.

4 Press Cursor Up or Cursor Down to make a selection. Next, press Cursor Right or **OK** button to confirm.

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Additional information

Environmental information

All redundant packing material has been omitted. We have done our utmost to make the packaging easily separable into three mono materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet). Your set consists of materials that can be recycled if disassembled by a specialised company. Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

Disclaimer

This product is provided by Philips 'as is' and without any express or implied warranty of any kind of warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall Philips be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of information, data, or profits; or business interruption) howsoever caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use or inability to use this product, even if the possibility of such damages has been mentioned. Philips further does not warrant the accuracy or completeness of the information, text, graphics, links or other items transmitted by this product.

Upgradeability

Both the Streamium TV and the Philips Media Manager software are upgradeable through your broadband Internet connection. From time to time, new features will be available and the functionality of this system will change. Therefore, this manual can only offer a rough overview of the internet and PC Link functionality. Please visit www.philips.com/streamium for the latest information on the availability of services and new functions.

Trademarks

All trademarks acknowledged. Microsoft and Windows are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. Mac OS is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. DivX® is a registered trademark of DivXNetworks, Inc. All other brands and product names are registered trademarks of their respective owners.

Statements

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

  However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

  – Reorient or relocate the receiving antenna.

  – Increase the separation between the equipment and receiver.

  – Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

  – Consult the dealer or an experienced radio/TV technician for help.

- This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

  1) this device my not cause harmful interference, and

  2) this device must accept any interference received, including interference that may cause undesired operation.

- The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

  Example : Warning: Changes or modifications made to this equipment not expressly approved by Philips may void the FCC authorization to operate this equipment.

IMPORTANT NOTE

FCC Radiation Exposure Statement :

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Chapter 6 – Problem solving

6.1 Audio/video problems

Check the Support section on www.philips.com/streamium for the latest information on problem solving.

Problem	Possible cause	Solution
Power light does not light up and/or the Streamium LCD TV cannot be switched on.	• No connection to mains power.	Connect the power adapter to the Streamium LCD TV and to a mains outlet that provides electrical power.
No display on the TV screen.	• TV is switched off.	Switch on your TV.
No sound from the speaker.	• Volume too low.	Increase volume or switch off mute of your Streamium LCD TV.
Intermittent video play.	• Not enough bandwidth available for the requested video quality.	Select a lower video quality by pressing the green button on the remote control one or more times. Lower video quality requires less bandwidth and should play with less interruptions.
No photo, music, or video play	• Incompatible codec (media format).	Comply with the supported codecs. Go to www.philips.com/streamium to see which codecs are currently supported.
	• Correct codec, but still low quality.	Most PC media formats use heavy data compression video/audio techniques that lower the video/audio quality, e.g. compared to DVD/CD. Lower quality display is normal.
	• Firewall software blocks streaming.	Disable firewall software to test whether it interferes with streaming video and audio. Go to www.philips.com/streamium to see what ports you need to open for streaming (42951 TCP and 42591 UDP)
The menu displayed on the television screen disappears after a few minutes.	• After a set amount of time, a screen saver will become active to prevent TV screens from burning in.	Press the MENU button on the remote control, select Preferences > Screen Saver, and set a longer time-out for the screen saver.
The remote control does not remote function properly.	• Wrong mode.	Ensure the right mode is selected. STREAM mode must by selected if you are accessing the streaming fuctions and TV mode if you are watching TV programmes.
	• Weak batteries.	Replace the batteries.
Error message appears when installing the Philps Media Manager.		Re-install the Philips Media Manager and reboot the PC after installation.

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Problem solving

6.2 PC / Network problems

Check the Support section on www.philips.com/streamium for the latest information on problem solving.

Problem	Possible cause	Solution
The Installation CD will not start.	• Autorun disabled for your drive.	Double-click 'My Computer', then the CD-ROM drive icon and finally 'Setup.exe' to start the CD.
The software will not install.	• Wrong operating system.	Go to www.philips.com/streamium to see which operating systems are supported.
No wireless connection or intermittent drop-out of the wireless connection.	• Wireless signal range, speed, and strength can be affected by interference from neighbouring wireless networks and devices. Electro-magnetic devices such as televisions, radios, microwave ovens, and cordless telephones, especially those with frequencies in the 2.4 GHz range, may also interfere with wireless transmission.	Switch off wireless devices that interfere with your wireless network connection. Place the wireless access point as high and centrally as possible to improve signal strength.
Pressing the PC LINK button produces an empty content screen on your television.	• PC is switched off.	Switch on your PC.
	• The Media Manager software is not running.	Start the Media Manager software.
	• No wireless network adapter connected or range too long (weak radio signal).	Connect the wireless network adapter to your PC or reposition your Wireless adapter. You may check the link quality by pressing the MENU button and selecting Network > Wireless Info > Signal Level.
	• Network host (PC) or wireless station base is switched off.	Make sure your home network is operational before you try to contact a networked computer with the Streamium LCD TV.
	• Your Wireless Base Station/ network router employs MAC filtering and prevents the Streamium LCD TV from connecting to your network.	Add the Streamium LCD TV MAC address to the list of devices that may connect to your Station/ Gateway router. See the user manual that came with your Station/Gateway router for instruction on how to do this. Press the MENU button and select: Network > Wireless Info> NIC MAC Address to see the wireless MAC address.
	• Not enough USB bandwidth available for a wireless USB adapter.	If you share the USB bandwidth with other heavy USB bandwidth users (like USB cameras, scanners or ReWritable drives, etc.), the remaining bandwidth may not be enough.
	• Radio interference from other (wireless) devices.	Check whether a wireless connection can be established with other devices switched off (e.g. microwave ovens, other wireless devices, etc.)
	• (Wireless) network problems.	See advanced network problem solving on page 41-42 of the User Manual.
	• No files were added in the Philips Media Manager.	Check that files have been added using the Philips Media Manager.
	• Media format not supported	Go to www.philips.com/streamium to check for the latest information on supported format.

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Problem solving

Problem	Possible cause	Solution
Pressing the INTERNET button produces an empty content screen on your television.	• Check whether the Streamium TV can connect to your PC.	First, please check whether the Streamium LCD TV connect to a PC by pressing the PC LINK button. If not, see above.
	• No broadband Internet connection available.	Broadband Internet means at least a 256 kbps always-on Internet connection. Dial-up ISDN/ telephone connections will not work.
	• Not enough broadband Internet bandwidth available.	If you share the broadband bandwidth with other users as it may fall below the minimum requirements.
	• Network host (PC) or wireless base station is switched off.	Make sure your home network is operational before you try to connect a networked computer with the Streamium LCD TV.
	• Internet access not working.	Make sure you can access the Internet from your computer.
	• Internet Connection Sharing (ICS) is not working.	In this manual, read the chapters on networking. Alternatively, visit www.microsoft.com, click Support, and search on 'ICS'.
	• Internet or network problems.	See advanced network problem solving on page 42 of the User Manual.
New features as advertised on the Internet are not available.	• You are using an older software version that does not have those features.	Upgrade the Streamium LCD TV and the software. Upgrade the Steamuim TV by pressing the MENU button. Then select Online Upgrade. Go to www.philips.com/streamium for the latest version of the Media Manager software.
Internet radio/video services are slow or do not respond.	• Your Internet bandwidth might be (temporarily) too low.	Check for Internet congestion. Do not download large files while listening to Internet radio or viewing movies. Firewall software and Anti-Virus software may diminish the bandwidth effectively available to your PC. You may test whether this is the case by disabling the software temporarily.
It says 'System Recovery' on the content screen on my TV screen, and I am asked to press 'Continue'. What's wrong?	• The internal memory of the Streamium LCD TV has been corrupted e.g. during downloading new software from the Internet and it needs to start the emergency bootloader program that connects to the Internet to restore the Streamium LCD TV to a working state automatically.	Press the red button on the remote control to the emergency bootloader. 1. It will try to recover as many of the existing settings as possible for to your wireless network and the Internet. 2. If it cannot recover any wireless settings, you will be asked to connect the Streamium LCD TV with an Ethernet cable to your Internet gateway router or PC with Internet access. 3. It will ask you for any additional settings it needs to connect to the Internet. See the chapter about the Options menu on page 28-31 for reference. 4. Once the emergency bootloader has been able to connect to the Internet and has downloaded a valid software version, it will display 'Restarting system...'. The Streamium TV should be working again. If not, check your settings by pressing the MENU button.

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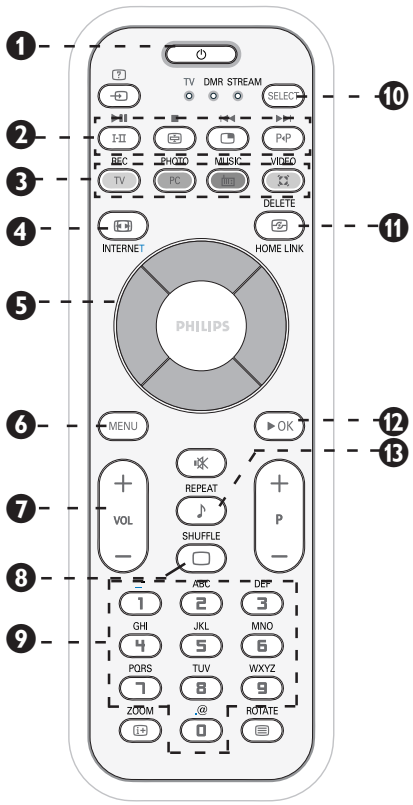
Chapter 7 – Remote Control

7.1 Functions of Remote control buttons for Streamium functions.

Note : For functions of the TV, explanation is done in another section.



1 Power/standby button
- Switches Streamium LCD TV off (to standby).
- Switch on the Streamium LCD TV with the INTERNET or HOME LINK button.

2 Playback control buttons
Playback (Play/Pause/Previous/Next) functions for multimedia content.

3 Coloured menu buttons
For selecting or activating the colour-coded option from the on-screen menu.

4 INTERNET source button
- Selects the Internet as your source of multimedia content.
- Requires a broadband Internet access of minimum 256 kbps, higher recommended.

5 Menu navigation buttons: up/down/left/right/OK
Used for navigating through menus and for making choices.

6 MENU
Accesses the Streamium menu settings.

7 VOLUME + / – buttons
Increase or decrease volume.

8 SHUFFLE (Home Link only)
Selects the shuffle mode.

9 Number/Text buttons
For inputting numbers and SMS-style TEXT.

10 SELECT mode button
Allows you to select **TV, DMR** or **STREAM** mode.

11 HOME LINK source button
Selects HOME LINK as your source of multimedia content.

12 K/Play button
Confirms selection and start playing content.

13 REPEAT button (Home Link only)
Selects the repeat mode.

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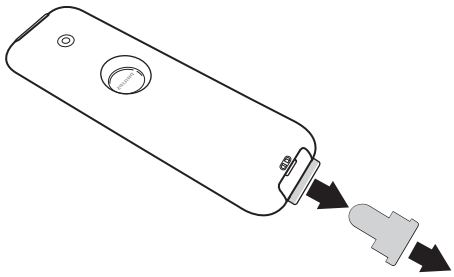
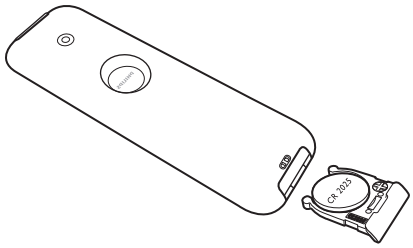
7.2 Using the remote control

Do the following steps to ensure that your remote control is ready for operation.

1 Pull out the plastic insulation sheet from the battery to enable the remote control to function.

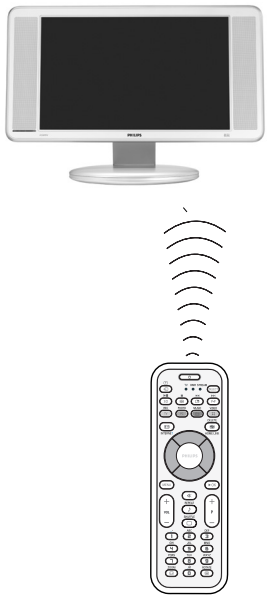


2 Pull out battery cover and check whether the lithium battery is placed correctly. The words on the battery should face you when you remove the battery cover.



3 Insert battery cover and the remote control is now ready for use.

Note : the battery supplied with the set does not contain mercury or nickel cadmuim so as to protect the environment. When discarding your batteries, use the recycling options available.



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Model No. : _____

Serial No. : _____

LCD TV

23PF9976i

User Manual

Thank you for choosing Philips.
Need help fast?

Read your User Manual and/or Quick-Use Guide first for quick tips that make using your Philips product more enjoyable. If you have read your instructions and still need assistance you may access our online help at

www.p4c.philips.com
or
call 1-888 PHILIPS (744 - 5477)
while with your product.

connectedplanet

Streamium

PHILIPS

3139 125 33471

Return your Product Registration Card today to get the very most from your purchase.

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification

By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits of Product Ownership

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

Know these **safety** *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No._____

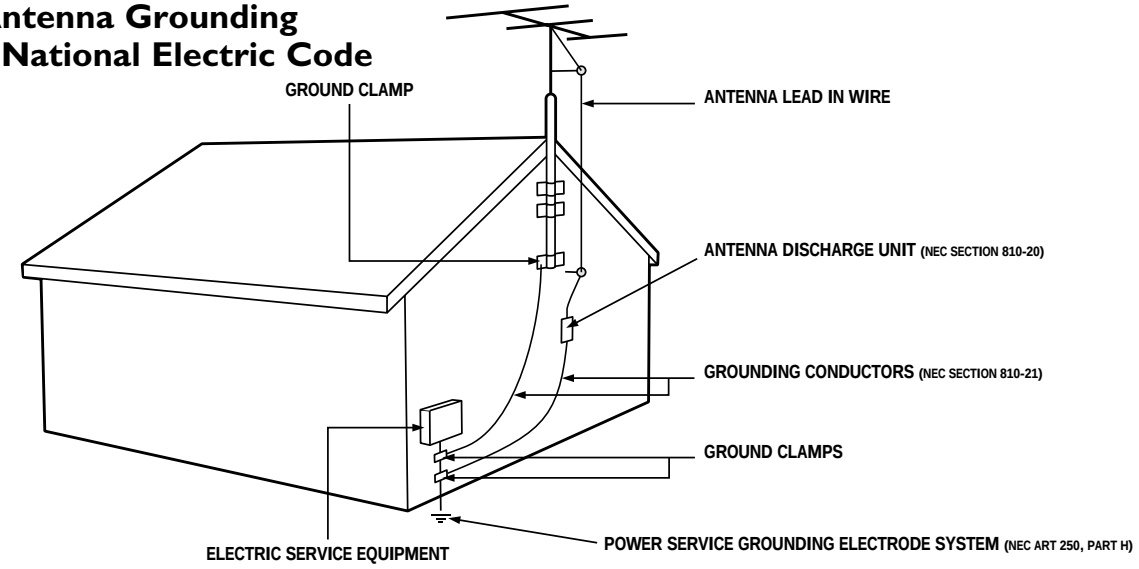
Serial No. _____

IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
  A. The power supply cord or the plug has been damaged; or
  B. Objects have fallen, or liquid has been spilled into the appliance; or
  C. The appliance has been exposed to rain; or
  D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
• Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
• Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
a) Warning: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
22. **Battery Usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
• Install all batteries correctly, with + and - aligned as marked on the unit.
• Do not mix batteries (old and new or carbon and alkaline, etc.).
• Remove batteries when the unit is not used for a long time.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

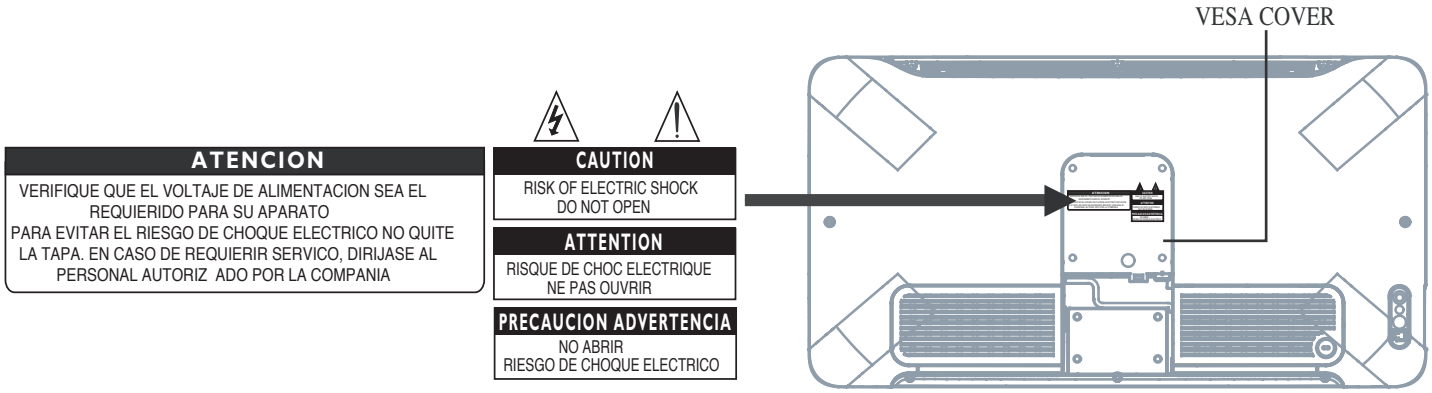
Example of Antenna Grounding as per NEC - National Electric Code


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
ELECTRIC SERVICE EQUIPMENT

PRECAUTIONS

ADDITIONAL SAFETY PRECAUTIONS

- Disconnect mains plug when :
  – cleaning the TV screen, never use abrasive cleaning agents.
  – there is a lightning storm.
  – the set is left unattended for a prolonged period of time.
- Do not shift or move the LCD TV around when it is powered on.
- Do not touch, push or rub the surface of the LCD screen with any sharp or hard objects.
- When the surface of the LCD screen becomes dusty, wipe it gently with an absorbent cotton cloth or other soft material like chamois. DO NOT USE acetone, toluene or alcohol to clean the surface of the screen. These chemicals will cause damage to the surface.
- Wipe off water, or saliva as soon as possible. These liquids can cause deformation and color fading of the LCD screen when left exposed for some time.
- Be careful of condensation when temperature changes occur. Condensation can cause damage to the LCD screen and elec trically parts. After condensation fades, spots or blemishes will be present on the LCD screen.
- CAUTION information is located on the inside of the VESA cover (see diagram below). To read information, open the VESA cover.


VESA COVER
ATENCION
VERIFIQUE QUE EL VOLTAJE DE ALIMENTACION SEA EL REQUIERIDO PARA SU APARATO
PARA EVITAR EL RIESGO DE CHOQUE ELECTRICO NO QUITE LA TAPA. EN CASO DE REQUIERIR SERVICO, DIRIJASE AL PERSONAL AUTORIZ ADO POR LA COMPANIA
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR
PRECAUCION ADVERTENCIA
NO ABRIR
RIESGO DE CHOQUE ELECTRICO

POSITIONING THE LCD TELEVISON

- Place the LCD TV on a solid, sturdy base or stand. Be sure the stand is strong enough to handle the weight of the LCD TV.
- Try to leave at least 6” of space around each side of the LCD TV cabinet to allow for proper ventilation.
- Do not place the LCD TV near a radiator or other sources of heat.
- Do not place the LCD TV where it can be exposed to rain or excessive moisture.

RECYCLING PROCEDURE/END OF LIFE DISPOSAL

- To minimize harm to the environment, the batteries supplied with the LCD TV do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available in your area.
- The LCD TV uses materials that can be recycled. To minimize the amount of waste in the environment, check your area for companies that will recover used televisions for dismantling and collection of reusable materials, or contact your dealer for TV recycling tips.
- Please dispose of the carton and packing material through the proper waste disposal management in your area.

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Features

Active Control™ continuously measures and corrects all incoming signals to help provide the best picture quality. This feature monitors and corrects both the sharpness control and noise reduction control.

Audio/Video Jack Panel allows direct connections with VCRs, DVDs, or other devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control keeps the TV sound at an even level. Peaks and valleys that occur during program changes or commercial breaks are reduced, making for a more consistent, comfortable sound.

AutoLock™ allows you to block the viewing of certain channels or programs with certain ratings if you do not want your children to view inappropriate materials.

AutoPicture™ allows you to change the picture settings (color, tint, contrast, etc.) for various types of programming, such as sports, movies, multimedia (games), or weak signals with the push of one button.

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The three factory-set controls (Voice, Music and Theatre) enable you to tailor the TV sound so as to enhance the particular programming you are watching.

Channel Edit allows you to add or delete channels from the list stored in the TV s memory. Channel Edit makes it easy to limit or expand the number of channels that are available to you when you press the Channel (+) or (—) buttons on your remote control.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as onscreen text.

Onscreen Menu shows helpful messages and instructions for setting TV feature controls (can be viewed in English, French, or Spanish).

Sleep Timer automatically turns the TV OFF after a set amount of time that you choose.

Timer allows you to set your TV to turn itself ON and OFF once or daily like an alarm clock.

Active Control, AutoPicture, and AutoSound Surround are trademarks of Philips Consumer Electronics Company. Copyright 2001 Philips Consumer Electronics.

*Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

QUICK USE AND SETUP GUIDE

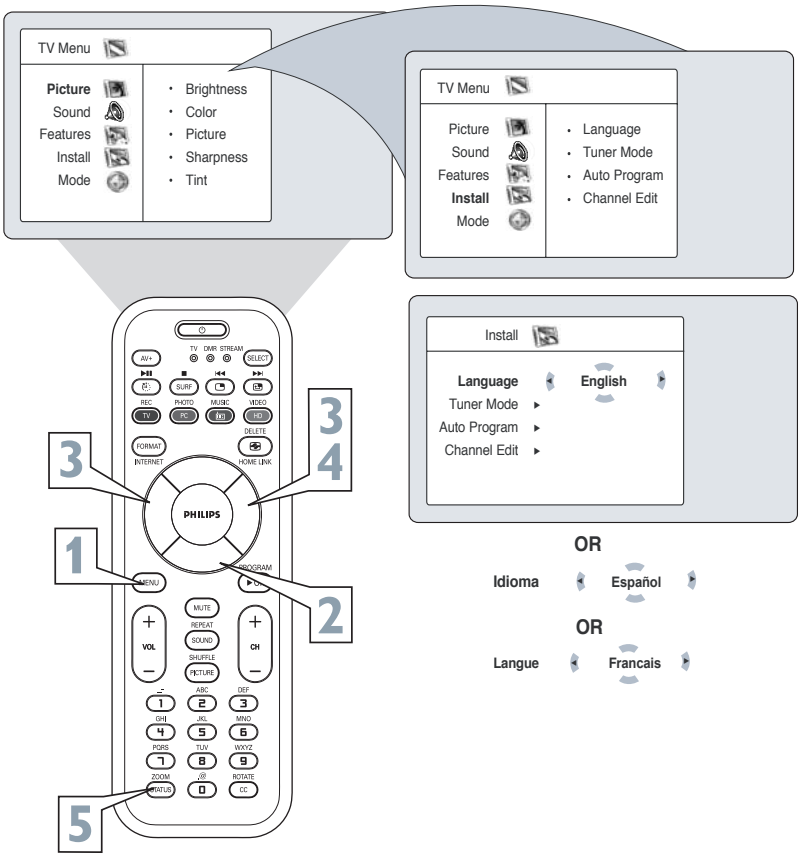
Refer to the simple *Quick Use and Setup Guide* (supplied with your TV) for details on making Connections and Remote Control Operation.

How to Use the Installation Features

Language

For our Spanish and French-speaking TV owners, an onscreen Language option is present. The Language control enables you to set the TV's onscreen menu to be shown in either English, Spanish, or French.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until **Install** is highlighted.
3. **Press the CURSOR RIGHT button** to access the Install menu. Language will be highlighted.
4. **Press the CURSOR RIGHT or CURSOR LEFT button** to select **English, Francais,** or **Español.**
5. **Press the STATUS button** to remove the menu from the screen.



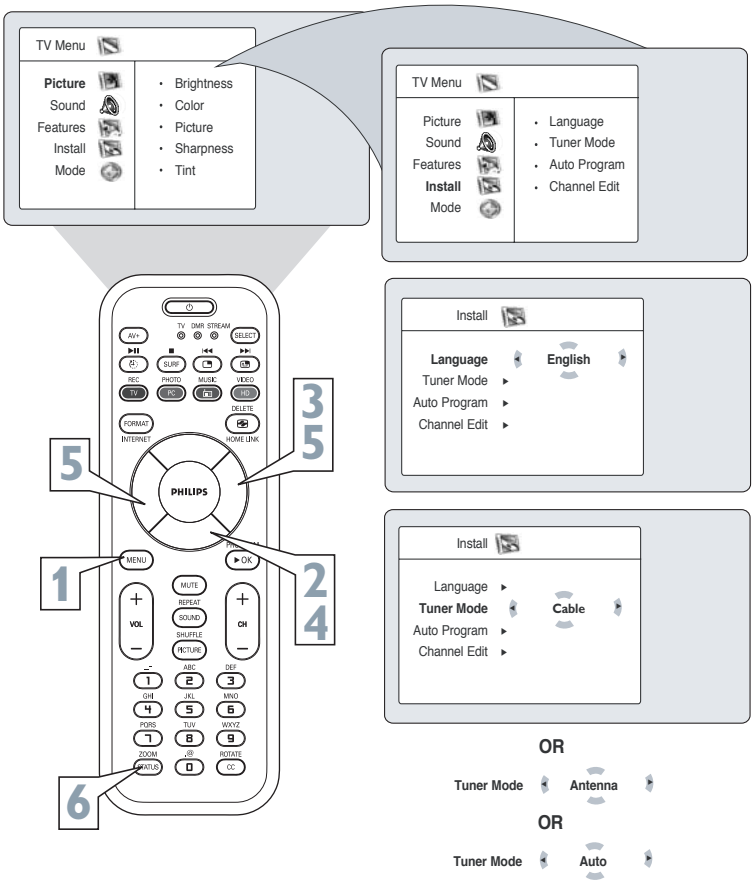
Helpful Hint

Remember, the **Language** control makes only the TV's onscreen Menu items appear in English, Spanish, or French text. It does not change the other onscreen text features, such as Closed Captioning (CC), with TV shows.

Tuner Mode

The Tuner Mode allows you to change the TV's signal input to Cable, Antenna, or Auto Mode. It's important for the TV to know what type of signal is connected, either Antenna or Cable.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until **Install** is highlighted.
3. **Press the CURSOR RIGHT button** to access the Install menu. Language is highlighted.
4. **Press the CURSOR DOWN button** to select the **Tuner Mode** control.
5. **Press the CURSOR RIGHT or CURSOR LEFT button** to select **Cable, Antenna,** or **Auto**. If Tuner Mode is set to Auto, Auto Porgram will detect if a cable signal is present.
6. **Press the STATUS button** to remove the menu from the screen.



Helpful Hint

When Cable is selected, channels 1-125 are available.
When Antenna is selected, channels 2-69 are available.

How to Use the Installation Features

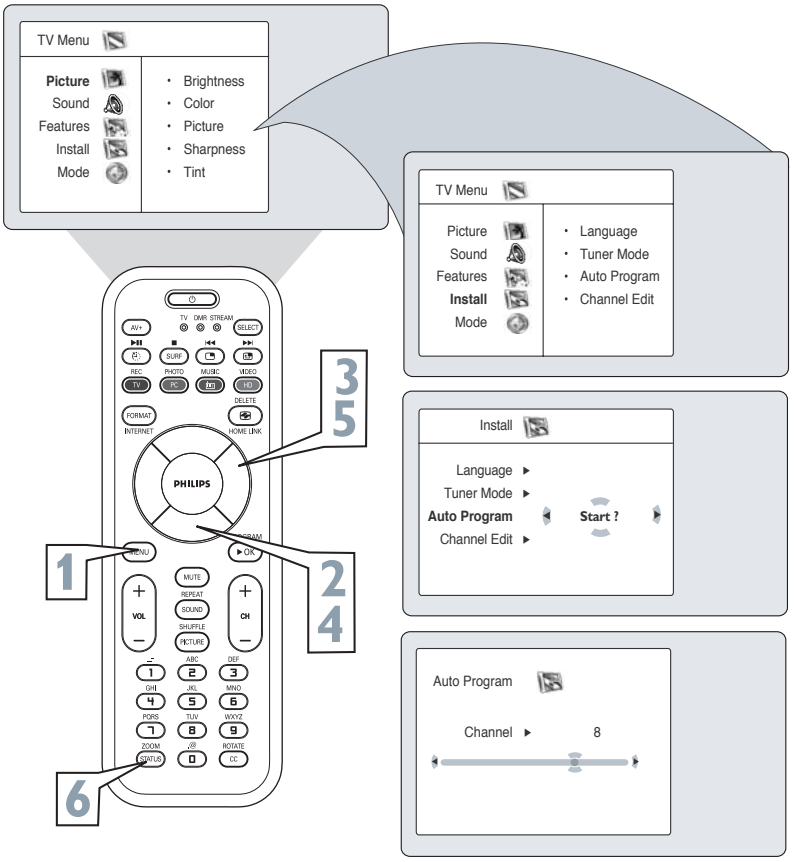
Auto Program

Your TV can automatically set itself for local area (or cable TV) channels. This makes it easy for you to select only the TV stations in your area by pressing the CHANNEL (+) or (–) button.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until Install is highlighted.
3. **Press the CURSOR RIGHT button** to enter the **Install** menu. Language will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until **Auto Program** is selected. "Start ?" will appear.
5. **Press the CURSOR RIGHT button** to start the Auto Programming process.
6. **Press the STATUS button** to remove the menu from the screen when the Auto programming process has finished.

Helpful Hint

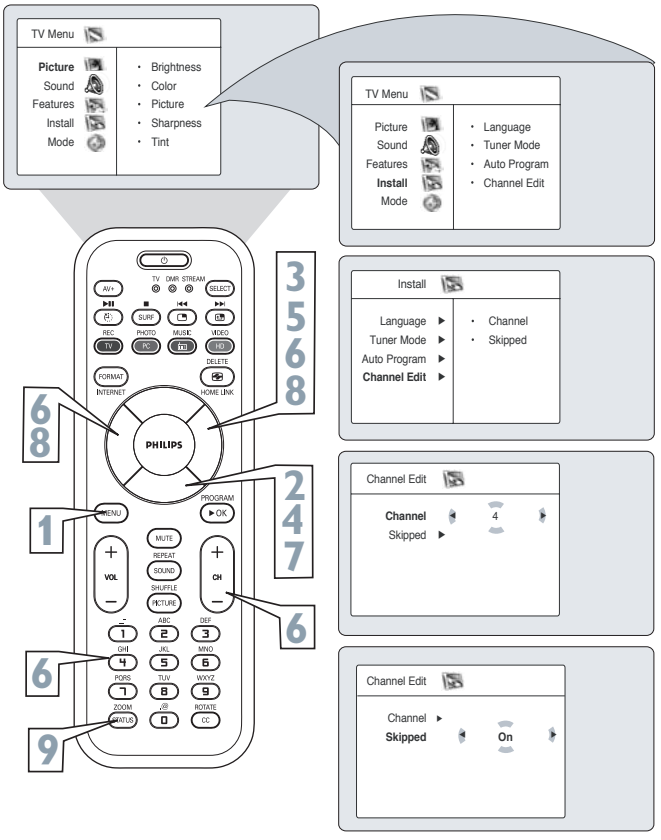
After you've run Auto Program, check out the results. Press the CHANNEL (+) or (–) button and see which channels you can select.
Remember, an antenna or cable TV signal must first be connected to your TV, see Quick-Use Guide for making connections.



Channel Edit

Channel Edit makes it easy for you to add or delete channels from the list of channels stored in the TV's memory.

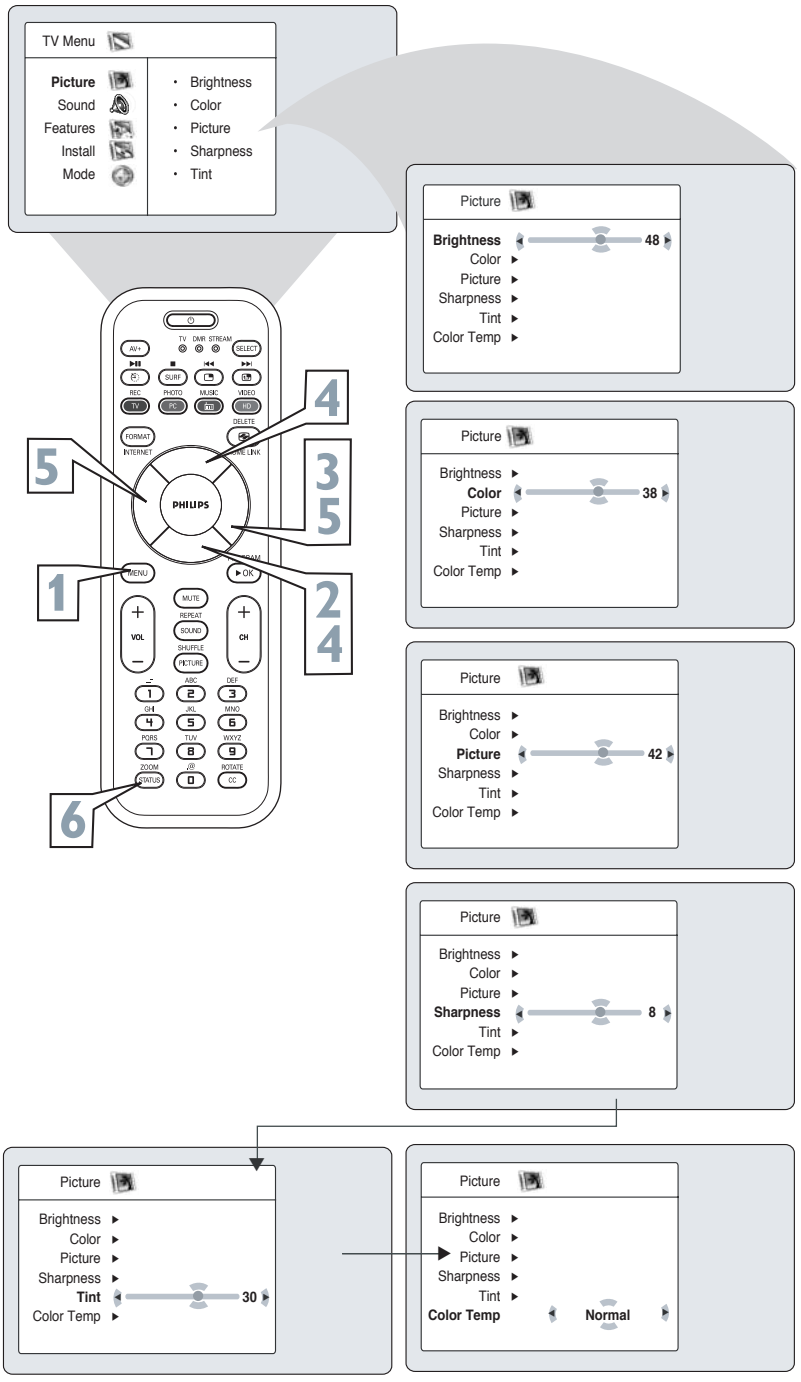
1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until **Install** is highlighted.
3. **Press the CURSOR RIGHT button** to enter the Install menu. Language will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until **Channel Edit** is selected.
5. **Press the CURSOR RIGHT button** to enter the **Channel Edit** menu. Channel will be highlighted.
6. **Press the CURSOR RIGHT or CURSOR LEFT buttons** to scroll through the list of available channels, you can also press the CH+ or CH- to scroll through the list of channels. Or, press the numbered buttons to select a specific numbered channel.
7. **Press the CURSOR DOWN button to select Skipped** while you are tuned to the channel to be skipped.
8. **Press the CURSOR LEFT or CURSOR RIGHT button** to select On to activate the skipping of a channel. Or, **select Off,** to deactivate the skipping of a channel.
9. **Press the STATUS button** to remove the menu from the screen.



How to Use the Picture Adjustment Controls

To adjust your TV picture controls, select a channel and follow these steps.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** to highlight Picture.
3. **Press the CURSOR RIGHT button** to enter the Picture menu. Brightness will be highlighted.
4. **Press the CURSOR UP or CURSOR DOWN button** to select the picture adjustment you want to change: **Brightness, Color, Picture, Sharpness, Tint,** or **Color Temp..**
5. **Press the CURSOR LEFT or CURSOR RIGHT button** to adjust the selected control.
6. **Press the STATUS button** to remove the menu from the screen.



Helpful Hint

Remember, when the bar scale is centered , the control settings are at normal, mid-range levels.

NOTE: The Shapness and Tint Controls will not be available for adjustments when tuned to the CVI Inputs.

Brightness – adds or subtracts light from the darkest part of the picture.

Color – adds or eliminates color.

Picture – improves the detail of the lightest parts of the picture.

Sharpness – improves the detail in the picture.

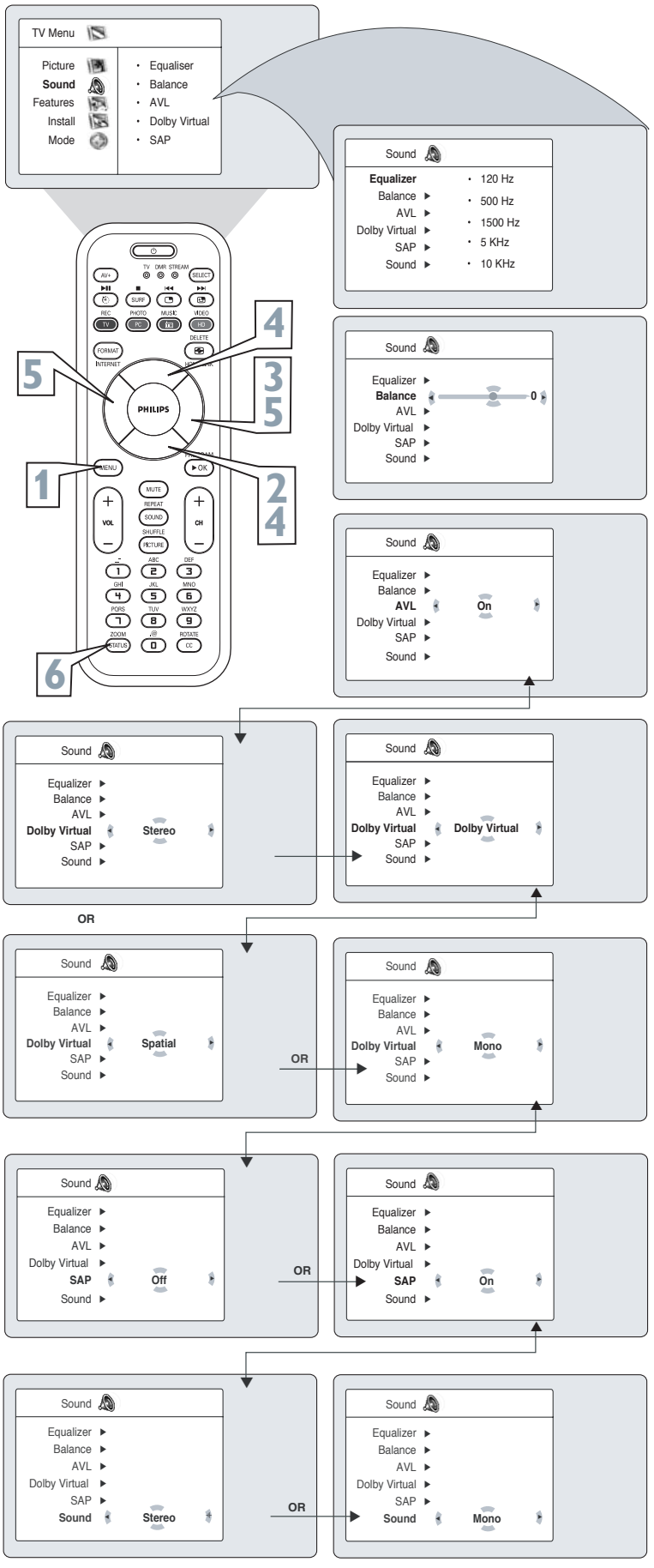
Tint – adjusts the picture to obtain natural skin tones.

Color Temp. - offers NORMAL, COOL, or WARM picture preferences. (Normal will keep the whites, white; Cool will make the whites, bluish; and Warm will make the whites, reddish.)

How to Use the Sound Adjustment Controls

To adjust your TV sound controls, select a channel and follow these steps.

1. **Press the MENU button** on the remote control to show the onscreen menu. Picture will be highlighted.
2. **Press the CURSOR DOWN button** to highlight Sound.
3. **Press the CURSOR RIGHT button** to enter the sound menu.
4. **Press the CURSOR UP or CURSOR DOWN button** to select the sound adjustment you want to change: **Equalizer, Balance, AVL, Dolby Virtual, SAP,** or **Sound.**
5. **Press the CURSOR LEFT or CURSOR RIGHT button** to adjust the selected control.
6. **Press the STATUS button** when finished to remove the menu from the screen.



Helpful Hint

Equalizer – adjusts the sound tones. Select 120Hz to 10KHz.

Balance – adjusts the level of sound coming from the left and right speakers.

AVL (Auto Volume Leveler) - when On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

Dolby Virtual - adds greater depth and dimension to TV sound. Select from Dolby Virtual or Stereo sound (if Stereo) or Spatial or Mono (if Mono).

SAP (Secondary Audio Programming)– sent as a third audio channel, a SAP signal can be heard apart from the current TV program sound. Note: If SAP is not available, "Not Available" will appear on the screen.

Sound – select from Stereo or Mono.

How to Use the Timer Menu Controls

Your television comes with an onscreen clock. The TV can also be set to turn on or off at a specific time and tune to a specific channel when it powers itself on.

1 **Press the MENU button** on the remote control to show the onscreen menu.

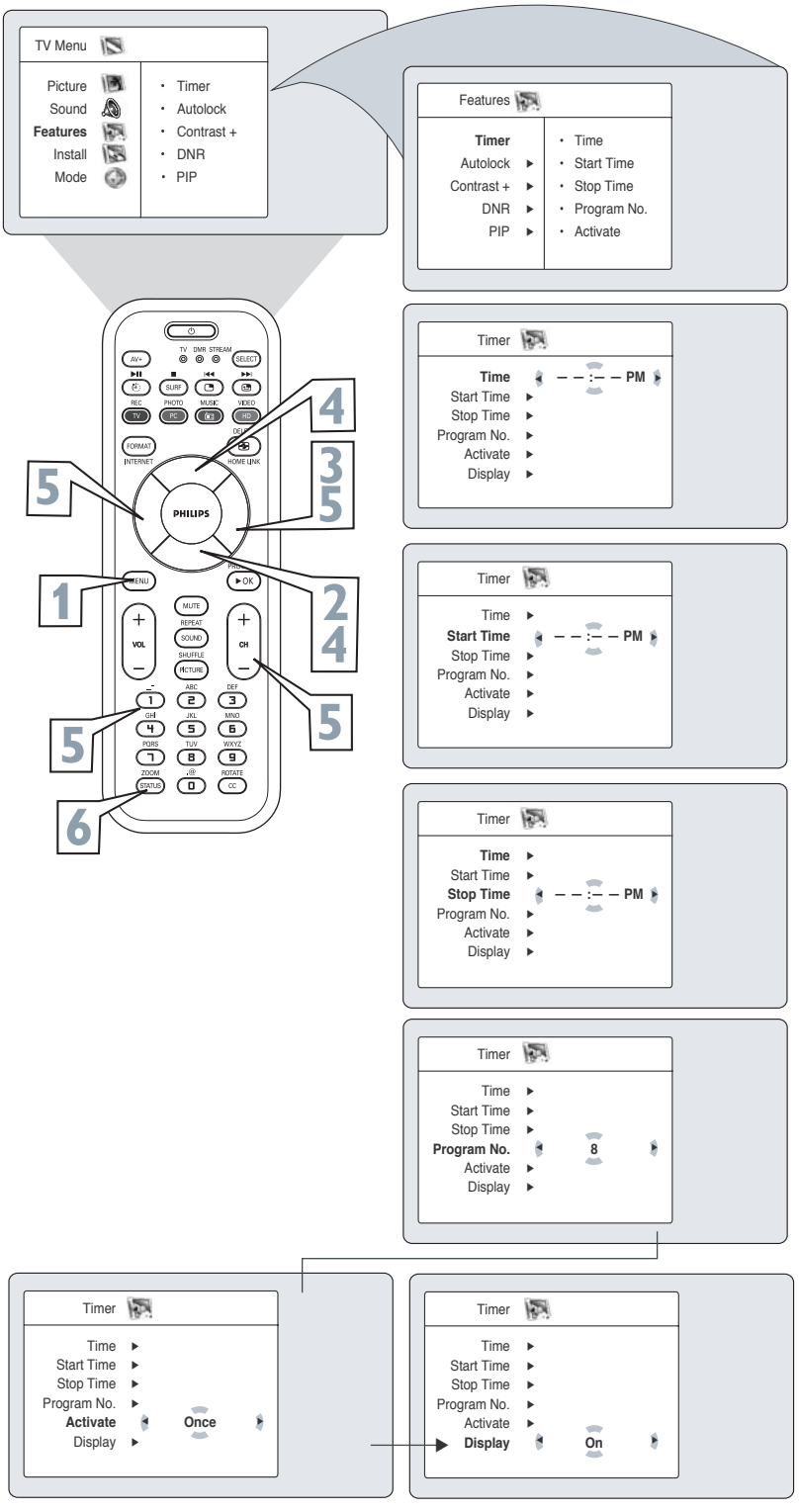
2 **Press the CURSOR DOWN button** to highlight **Features**.

3 **Press the CURSOR RIGHT button** to enter the Features menu.

4 **Press the CURSOR UP or CURSOR DOWN button** to highlight one of the Timer controls. These controls are **Time, Start Time, Stop Time, Program No., Activate,** or **Display**.

5 **Press the CURSOR RIGHT or CURSOR LEFT button** to make adjustments or to toggle the On or Off options.
Time: Enter the current time using the Numbered buttons. Use the CURSOR RIGHT to move to the AM/PM slot and use the CURSOR LEFT or CURSOR RIGHT buttons to toggle the AM and PM setting.
Start Time: Use the numbered buttons to enter the time you want the TV to turn itself On. Use the CURSOR RIGHT and CURSOR LEFT buttons to toggle the AM and PM setting.
Stop Time: Use the numbered buttons to enter the time you want the TV to turn itself Off. Use the CURSOR RIGHT and CURSOR LEFT buttons to toggle the AM and PM setting.
Program No.: Use the NUMBERED buttons or the CH + or CH- buttons to enter the desired start-up channel. You can also press the CURSOR RIGHT or CURSOR LEFT buttons to enter the desired start-up channel.
Activate: Set the timer to turn itself On (Once or Daily) or Off. Press the CURSOR RIGHT and CURSOR LEFT buttons to select Once, Daily, or Off.
Display: Press the CURSOR RIGHT or CURSOR LEFT to toggle between On or Off. If On is selected, the time will be displayed all the time when the TV is on. When Off is selected, the time will only appear when the STATUS/EXIT button is pressed.

6 **Press the STATUS button** to remove the menu from the screen.



UNDERSTANDING THE AUTOLOCK™ CONTROLS

The AutoLock™ feature receives and processes data sent by broadcasters or other program providers that contain program content advisories. When programmed by the viewer, a TV with AutoLock™ can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of programming children may watch.

In the AutoLock™ section, you'll learn how to block channels and programming that is not rated, is unrated, or has no rating. You will also find out how to turn these blocking features ON or OFF. Following are brief explanations of some terms and ratings related to the AutoLock™ feature.

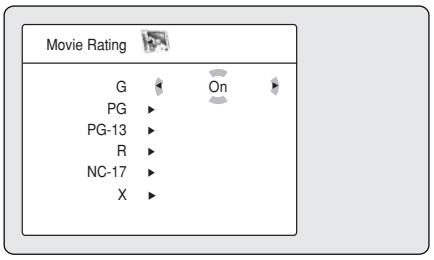
AutoLock™ offers various Blocking Options from which to choose:

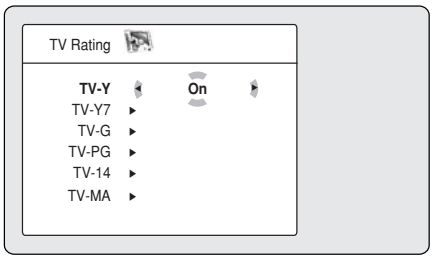
BLOCKING: The BLOCKING control is what can be thought of as the "master switch" for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating or are unrated. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.

NO RATING: ALL programming with no content advisory data can be blocked if NO RATING is set to ON.

Programming that has No Rating is not encoded with any rating information from the MPAA or the Parental Guidelines. Any programming could fall into this category.

You also can block individual channels or block programming based on ratings of the MPAA and TV broadcasters. (See a description of the ratings on this page.)





MOVIE RATINGS
(MOTION PICTURE ASSOCIATION OF AMERICA)

G: General Audience - All ages admitted. Most parents would find this programming suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children. It may contain one or more of the following: Moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialogue.

PG-13: Parents Strongly Cautioned - This programming contains material that parents may find unsuitable for children under the age of 13. It contains one or more of the following: violence, sexual situations, coarse language, or suggestive dialogue.

R: Restricted -This programming is specifically designed for adults. Anyone under the age of 17 should view this programming only with an accompanying parent or adult guardian. It contains one or more of the following: intense violence; intense sexual situations; strong, coarse language; or intensely suggestive dialogue.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only. It contains graphic violence; explicit sex; or crude, indecent language.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV PARENTAL GUIDELINES
(TV BROADCASTERS)

***TV-Y*:** (**All children** -- *This program is designed to be appropriate for all children.*) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV-Y7: (**Directed to Older Children** -- *This program is designed for children ages 7 and above.*) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

***TV-G*:** (**General Audience** -- *Most parents would find this program suitable for all ages.*) This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

TV-PG: (**Parental Guidance Suggested** -- *This program contains material that parents may find unsuitable for younger children.*) This type of programming contains one or more of the following: Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

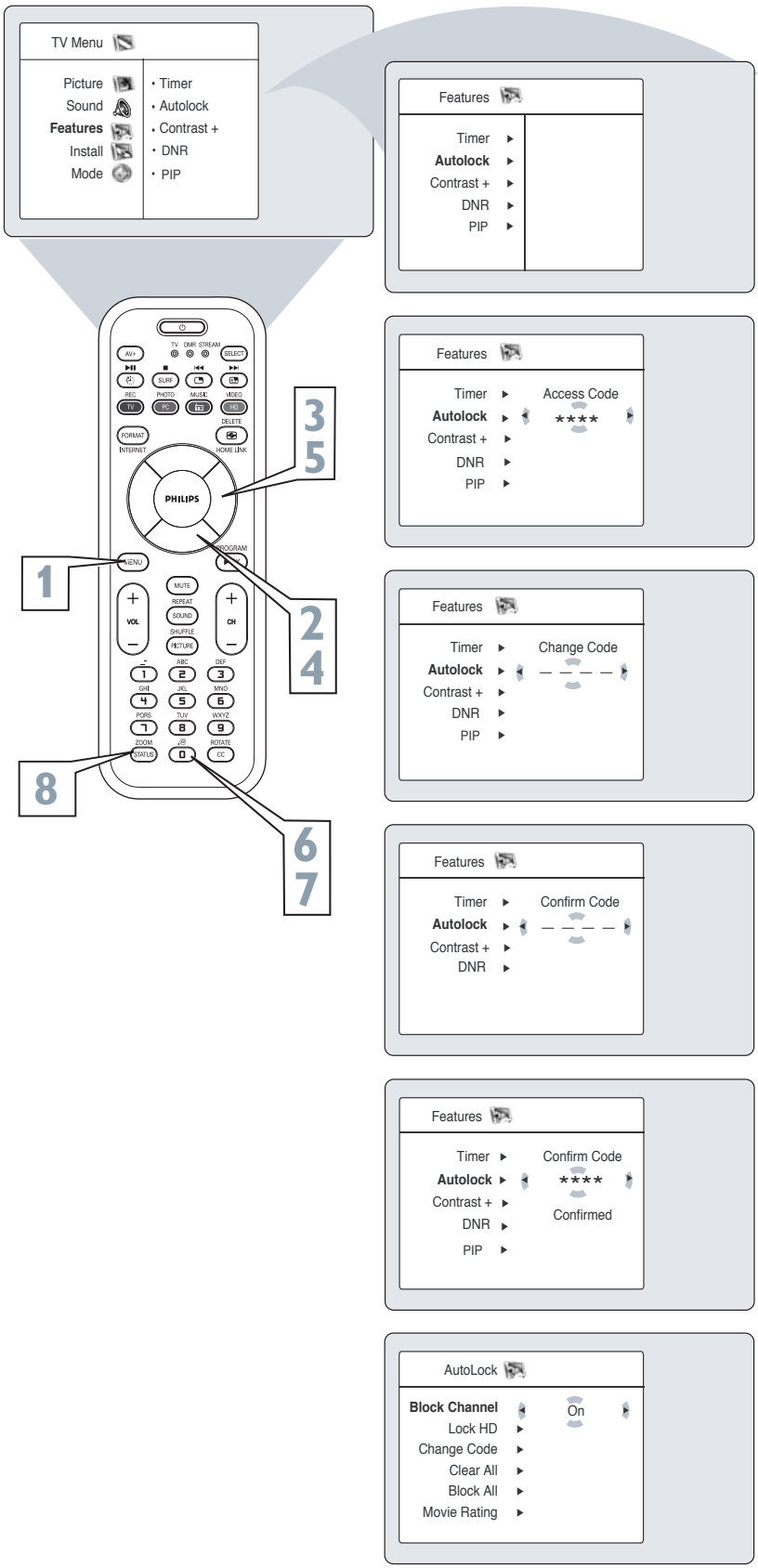
TV-14: (**Parents Strongly Cautioned** -- *This program contains some material that many parents would find unsuitable for children under 14 years of age.*) This type of programming contains one or more of the following: intense violence (V); intense sexual situations (S); strong, coarse language (L); or intensely suggestive dialogue (D).

TV-MA: (**Mature Audience Only** -- *This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.*) This type of programming contains one or more of the following: graphic violence (V); explicit sexual situations (S); or crude, indecent language (L).

SETTING UP AN AUTOLOCK™ ACCESS CODE

AutoLock™ allows parents to block out or censor any channels they think children should not watch. A channel blocked by the AutoLock™ control cannot be viewed until a correct access code is used to unlock the channel for viewing. First, let's set your AutoLock access code.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press theCURSOR DOWN button** to highlight **Features**.
3. **Press the CURSOR RIGHT button** to display the Features menu.
4. **Press the CURSOR DOWN button** to highlight the **AutoLock** control.
5. **Press the CURSOR RIGHT button** to enter the AutoLock mode. Access Code ---- will appear.
6. **Using the numbered buttons on the remote control**, enter the access code. If you do not know your code, **0,7,1,1** is the default code. After you have entered the code once, enter the code a second time. It will then prompt you to change code.
7. **Using the numbered buttons on the remote control,** enter the access code of your choice. Enter the code a second time to confirm it. Once the new code is confirmed, the AutoLock menu will appear. You can proceed to access the functions available in the menu.
8. If you do not wish to access the other fuctions, press **the STATUS button** to remove the menu from the screen.



HELPFUL HINT

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

NOTE TO PARENTS: It isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.

How to Block Channels using AutoLock™

After your personal access code has been set (see the previous page), you are ready to select the channels or inputs you want to block out or censor.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight **Features.**

3 **Press the CURSOR RIGHT button** to display the **Features** menu.

4 **Press the CURSOR DOWN button** to highlight **AutoLock™**.

5 **Press the CURSOR RIGHT button** again display the Acess Code menu prompt.

6 **Enter your four-digit ACCESS CODE.** *Correct* will flash very briefly and the AutoLock™ will be accessible.

7 You can choose to block individual channels or all channels at the same time. For individual channels, **press the CURSOR RIGHT** to enter the Lock Channel menu.

8 **Using the numbered buttons or the CH+ or CH- buttons** enter the channel you wish to lock.

Repeat step 8 for any channels you want to lock.

9 To block all channels, **press the CURSOR DOWN button** until **Block All** is selected.

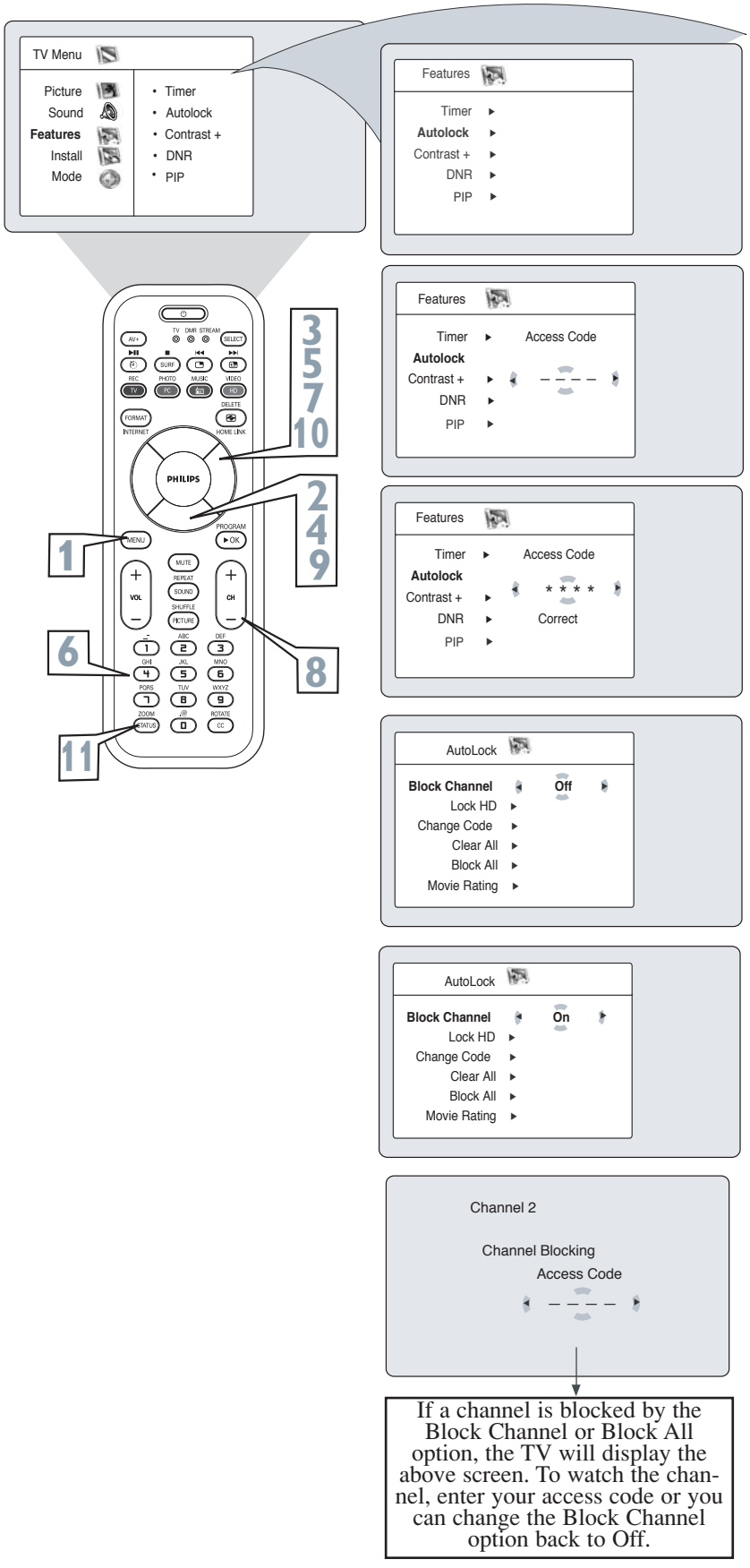
10 **Press the CURSOR RIGHT button** to select On to activate the blocking of all channels. To deactivate the blocking of all channels, select Off.

11 **Press the STATUS button** to remove the menu from the screen.

NOTE TO PARENTS: It isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.

Helpful Hint

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

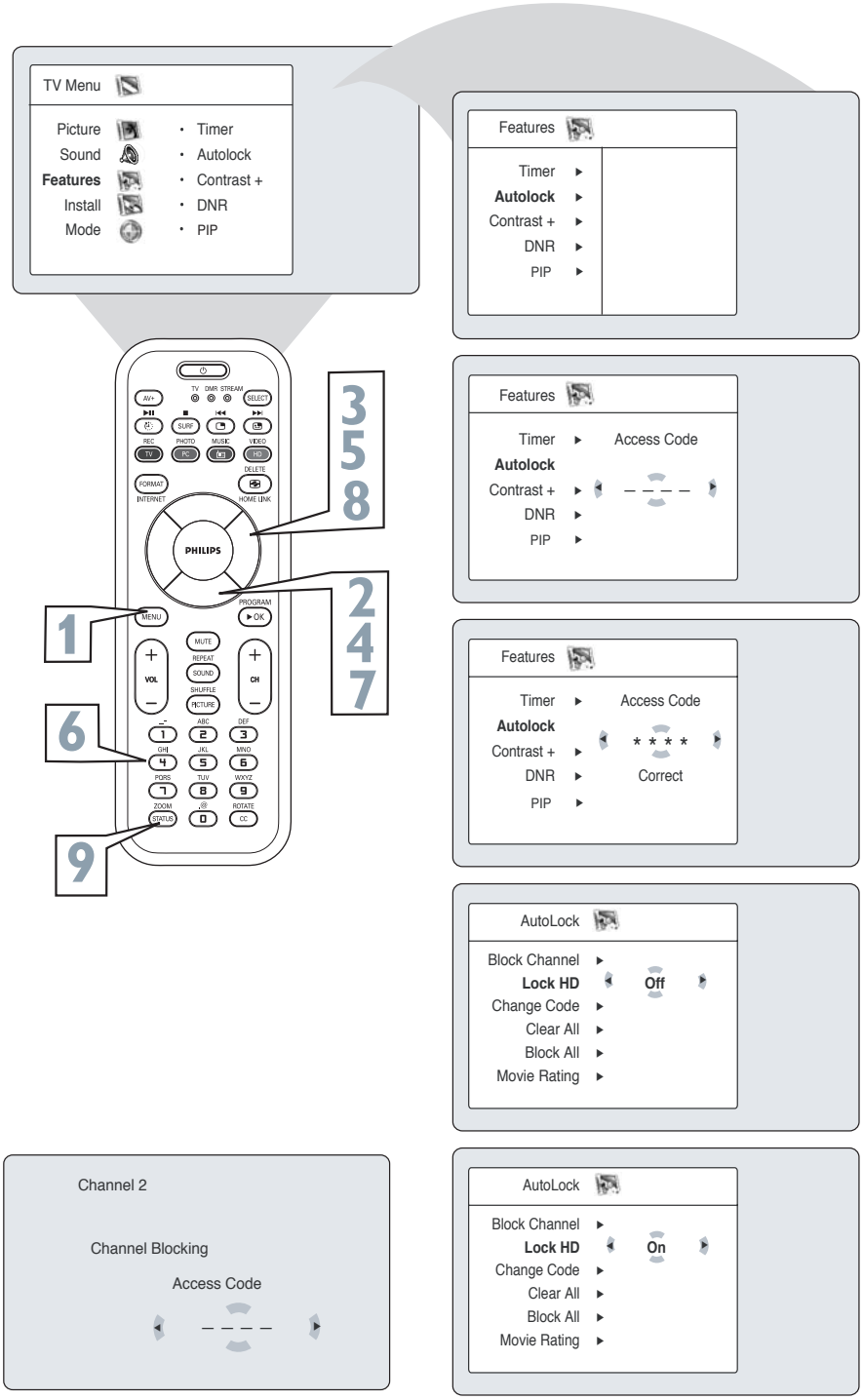


If a channel is blocked by the Block Channel or Block All option, the TV will display the above screen. To watch the channel, enter your access code or you can change the Block Channel option back to Off.

How to Lock a HD (High Definition) Channel in TV Mode

You can also lock the HD (High Definition) channel while in TV Mode using the AutoLock™ feature.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** to highlight **Features**.
3. **Press the CURSOR RIGHT button** to display the Features menu.
4. **Press the CURSOR DOWN button** to select the **AutoLock™** control.
5. **Press the CURSOR RIGHT button** again to highlight **Access Code**.
6. **Enter your four-digit Access Code,** "Correct" will briefly appear on the screen and the AutoLock menu will be accessible.
7. **Press the CURSOR DOWN button** to select **Lock HD.**
8. **Press the CURSOR RIGHT button** to select **On** to activate the blocking of the HD channel.
9. **Press the STATUS button** to remove the menu from the screen.



If a channel is blocked by the Block Channel or Block All option, the TV will display the screen shown above. To watch the selected blocked channel or all the blocked channels, enter your Access Code or change the Block Channel or Block All option to Off.

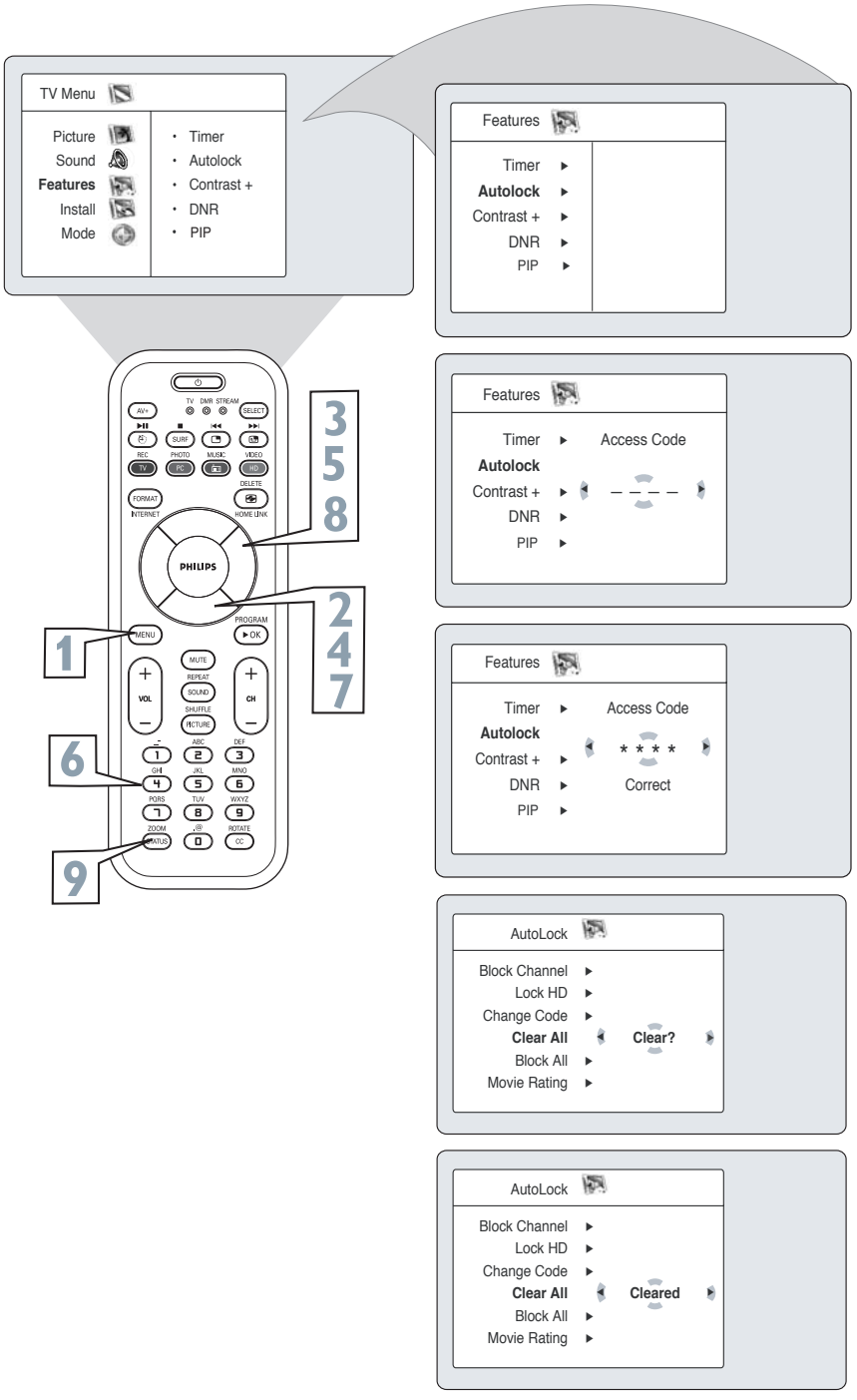
Helpful Hint

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

How to Clear all Locked Channels at the Same Time

Various onscreen messages will appear when someone tries to view blocked programming. The message is determined by how the current programming is blocked. You may view the blocked programming and turn OFF the AutoLock™ feature by using the Clear All control or by entering your access code.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** to highlight **Features**.
3. **Press the CURSOR RIGHT button** to display the Features menu.
4. **Press the CURSOR DOWN button** to select the **AutoLock™** control.
5. **Press the CURSOR RIGHT button** again to highlight **Access Code.**
6. **Enter your four-digit Access Code,** "Correct" will briefly appear on the screen and the AutoLock menu will be accessible.
7. **Press the CURSOR DOWN button** to select Clear All. Clear? will appear on the screen.
8. **Press the CURSOR RIGHT button** to activate the clearing of all channels.
9. **Press the STATUS button** to remove the menu from the screen.



Helpful Hint

If you tune to a specific channel that has been blocked by Block Channel or any of the AutoLock™ Rating options, simply enter your four-digit access code to view the channel.
NOTE : This will unblock ALL channels until the TV is shut OFF. When powered back ON, all previously blocked channels will be blocked again.

BLOCKING PROGRAMS BASED ON MOVIE RATINGS

After your personal access code has been set, you can select specific movie ratings that you want to censor.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight **Features.**

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the AutoLock™ control.

5 **Press the CURSOR RIGHT button** again to highlight Access Code.

6 **Enter your four-digit Access Code.** *Correct* will flash very briefly and the menu will move to the left with the AutoLock menu now accessible.

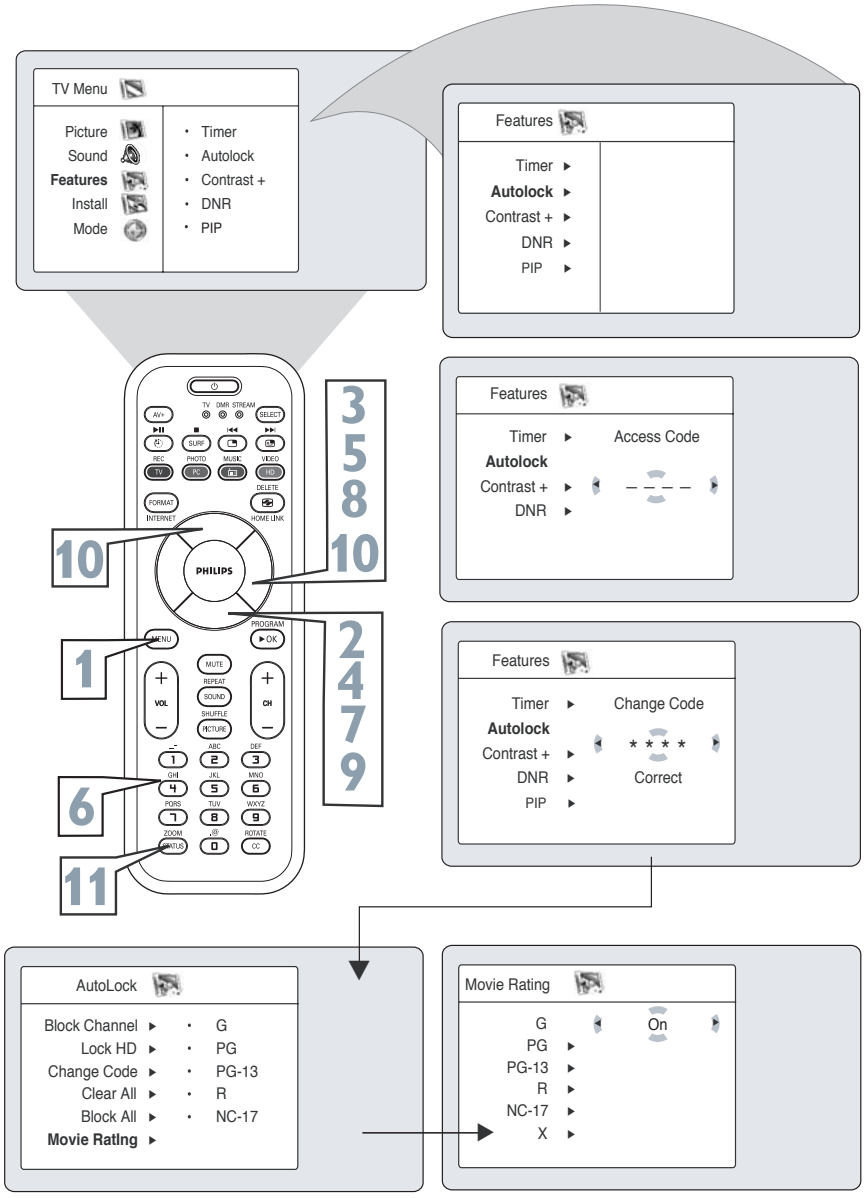
7 **Press the CURSOR DOWN** repeatedly until Movie Rating is highlighted.

8 **Press the CURSOR RIGHT button** and the Rating menu shifts to the left with *G* highlighted.

9 **Press the CURSOR UP or DOWN buttons to** highlight each rating you want.

10 **Press the CURSOR RIGHT button** to turn the rating ON or OFF. Turning the rating ON will block programs with that rating from being seen.

11 **Press the STATUS button** to remove the menu from the screen.



BLOCKING PROGRAMS BASED ON TV RATINGS

You can select specific TV ratings that you want to censor by following these steps.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight **Features.**

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the **AutoLock™** control.

5 **Press the CURSOR RIGHT button** again to highlight Access Code.

6 **Enter your four-digit Access Code.** *Correct* will flash very briefly and the menu will move to the left with the AutoLock menu now accessible.

7 **Press the CURSOR DOWN button** repeatedly until **TV Rating** is highlighted.

8 **Press the CURSOR RIGHT button** to enter the TV RATING menu.

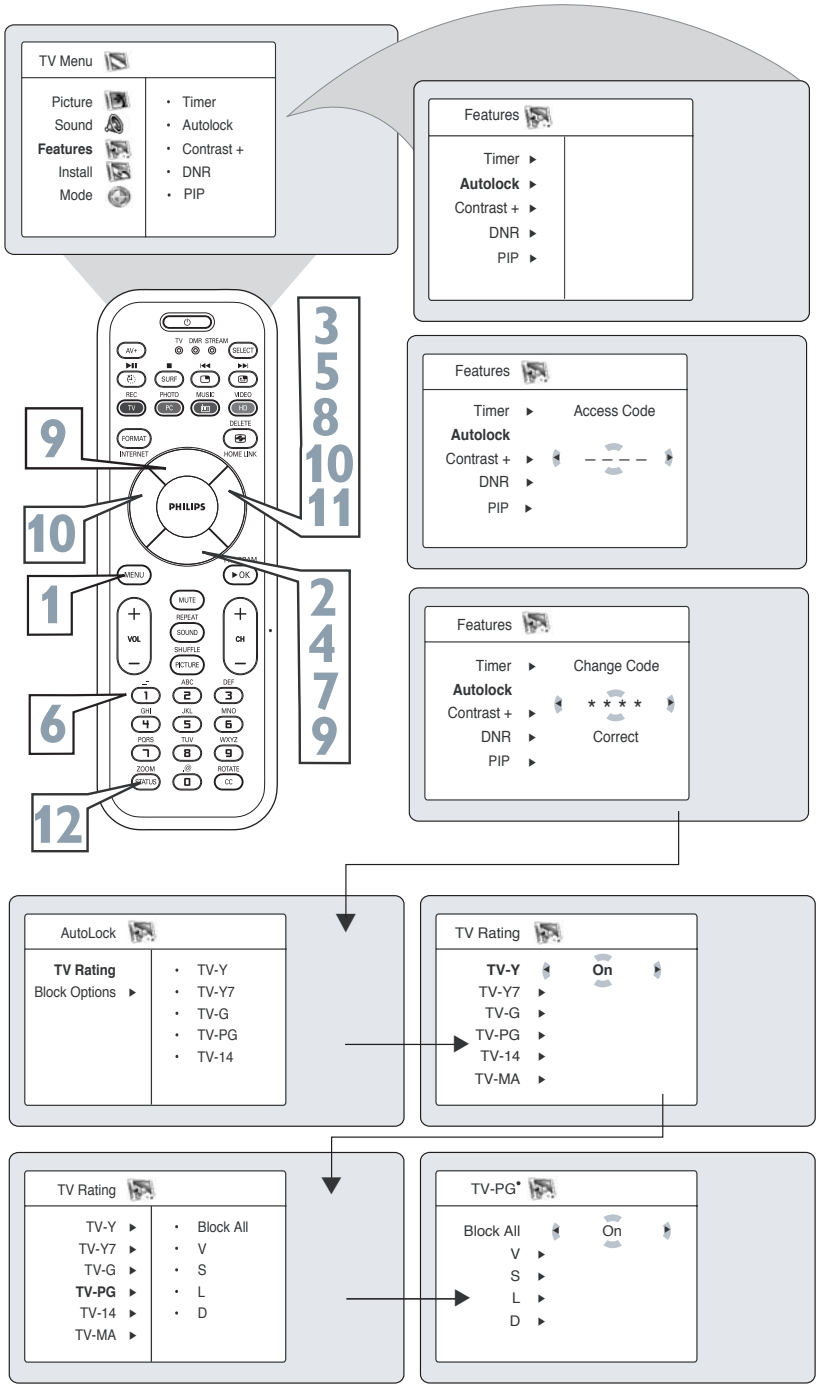
9 **Press the CURSOR UP or DOWN** to select a desired rating (**TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA**).

10 **Press the CURSOR RIGHT or LEFT** to turn the block on the rating **On or Off.**

NOTE: More specific subratings (for violence, sexual content, dialogue, or fantasy violence) are available for TV-Y7, TV-PG, TV-14, and TV-MA. (Refer to page 11 for definitions.)

11 To access these subratings, with the main rating selected, **press the CUR SOR RIGHT.** Then, repeat steps 10-11 to turn the sub-ratings ON or OFF.

12 **Press the STATUS button** to remove the menu from the screen.



OTHER AUTOLOCK™ LOCKING OPTIONS

The AutoLock™ control offers the viewer other blocking options as well/ With Block Options, the censoring can be turned On or Off.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight Features.

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the AutoLock™ control.

5 **Press the CURSOR RIGHT button** again to highlight Access Code.

6 **Enter your four-digit Access Code.** *Correct* will flash very briefly and the menu will move to the left with the AutoLock menu now accessible.

7 **Press the CURSOR DOWN button** repeatedly until Block Options is highlighted.

8 **Press the CURSOR RIGHT button** to enter the Block Options menu.

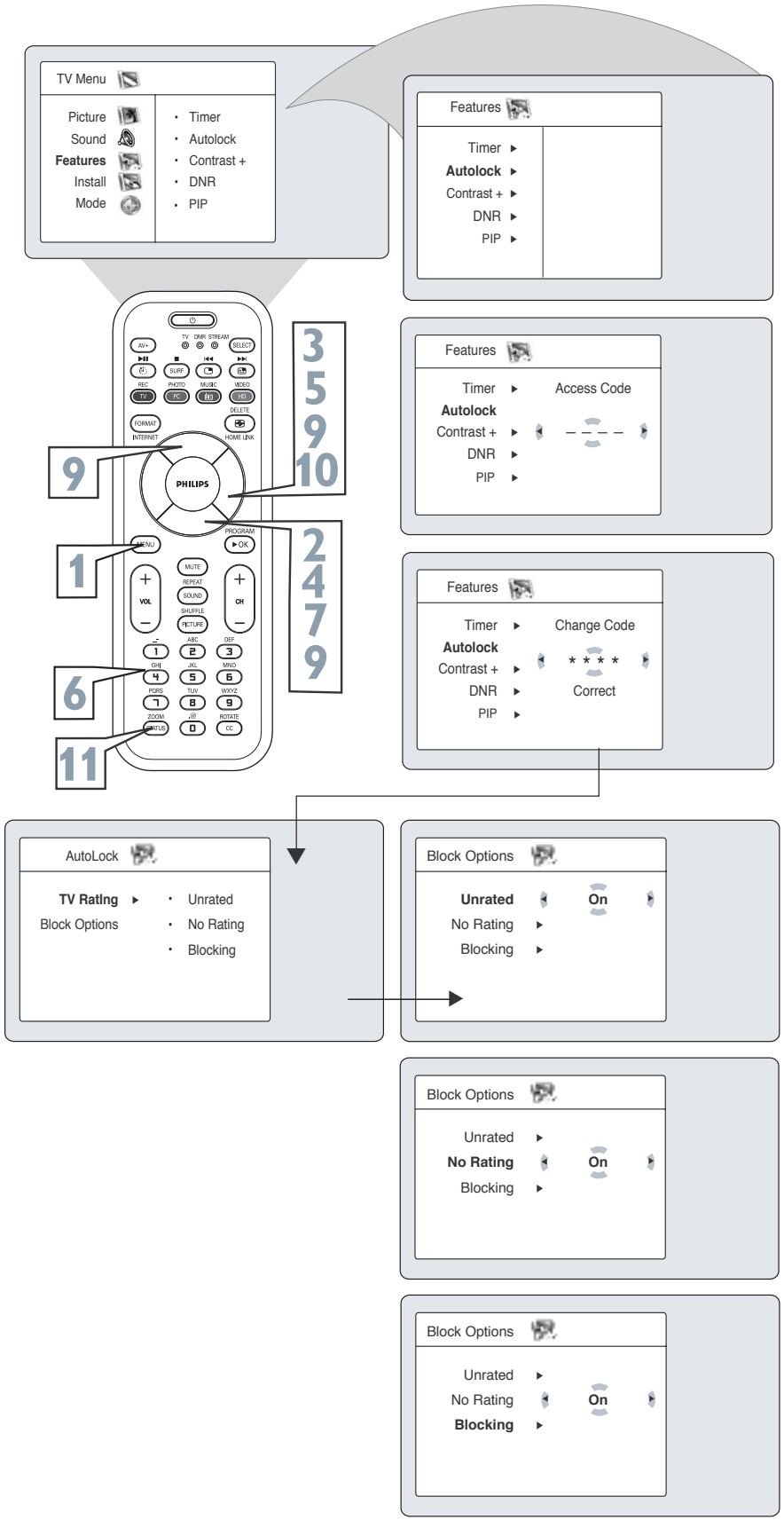
9 **Press the CURSOR UP or DOWN buttons** to select the desired block option.
Blocking: Might be called the "master switch" for AutoLock™. When On, ALL blocking/censoring will take place. When Off, ALL blocking is disabled.

Block Unrated: ALL unrated programs based on the Movie Ratings or Parental (TV) Guidelines can be blocked if this feature is set to On and the Blocking feature is set to OFF.

No Rating: ALL programming with NO content advisory data can be blocked if set to On and the Blocking feature is set to OFF.

10 **Press the CURSOR RIGHT or LEFT** to toggle **Blocking On** or **Off**.

11 **Press the STATUS button** to remove the menu from the screen.



HELPFUL HINT

Remember, when the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.

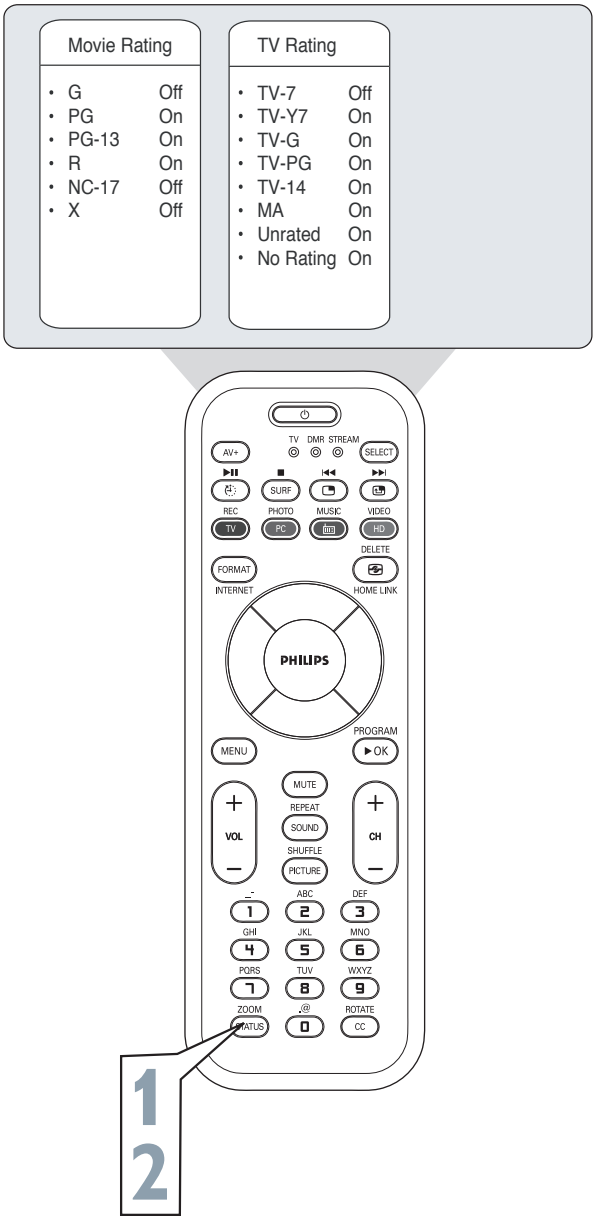
USING THE AUTOLOCK™ REVIEW SCREEN

To remind you wich rating you have locked and which Block Options you have selected, a review screen is available to review your AutoLock™ settings. To access this screen follow the steps below.

1 **Press the STATUS/EXIT button** on the remote control TWICE. Your AutoLock™ settings will appear on the screen.

NOTE: If you have blocked specific subratings, such as V for violence in the TV-PG category, these blocked subratings will not appear in the review. The subratings however are still blocked according to your selections.

2 After a few seconds, the settings will leave the screen automatically, or you can **press the STATUS button** a third time to remove them from the screen.

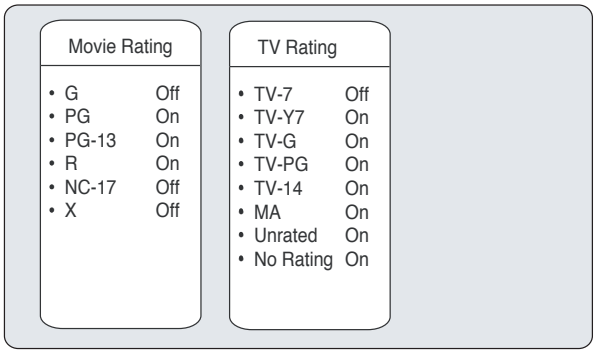


HELPFUL HINT

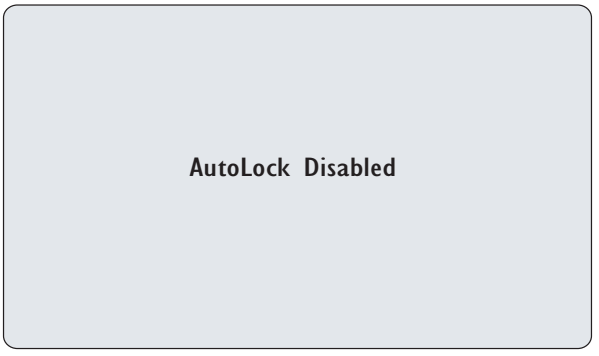
The AutoLock™ status screen will only appear if the Block option is set to On. See previous page for details.

AutoLock is set to Off by default.

This display will appear after Step One (above) is completed if the AutoLock™ Block Option is set to **On**.



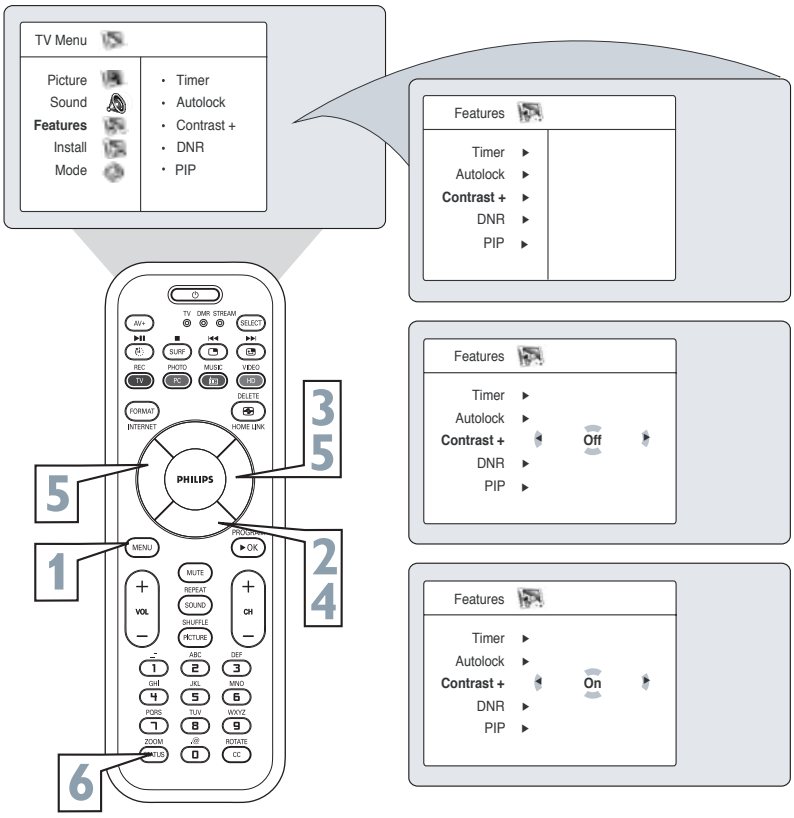
This display will appear after Step One (above) is completed if the AutoLock™ Block Option is set to **Off**.



How to use the Contrast+ Control

The Contrast + function helps to sharpen the picture quality. The black portions of the picture become richer in darkness and the white portions become brighter.

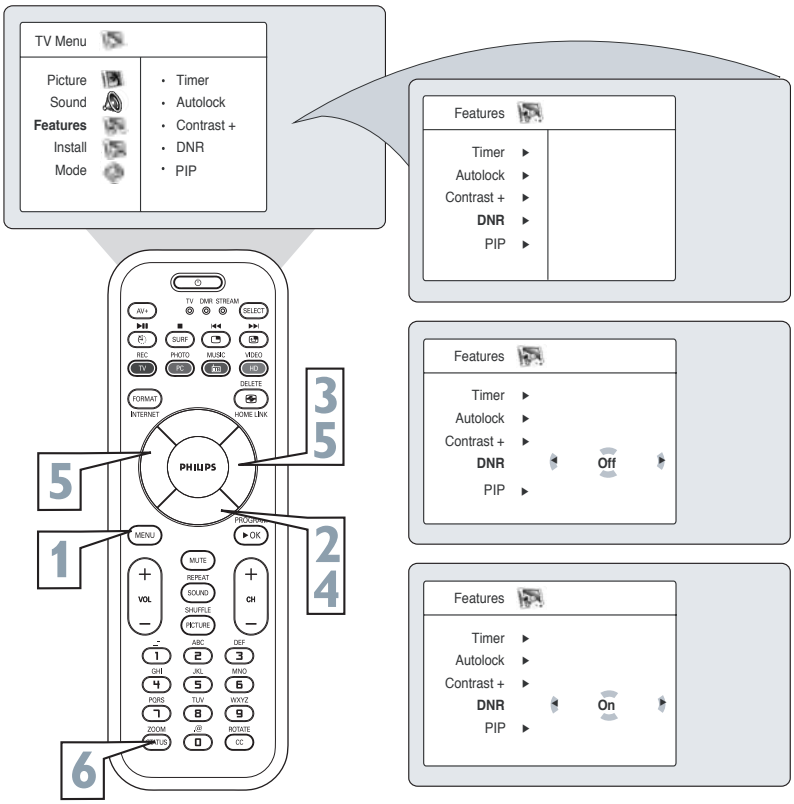
1. **Press the MENU button** on the remote control to show the on-screen menu.
2. **Press the CURSOR DOWN** to highlight **Features**.
3. **Press the CURSOR RIGHT** to access the **Features** menu.
4. **Press the CURSOR DOWN button** until the **Contrast +** control is highlighted.
5. **Press the CURSOR RIGHT or LEFT** to toggle the **On** or **Off** option.
6. **Press the STATUS button** to remove the menu from the screen.



How to use the DNR Control

The DNR (Dynamic Noise Reduction) function helps to diminish signal "noise" in the picture or what is known as "speckled" picture.

1. **Press the MENU button** on the remote control to show the on-screen menu.
2. **Press the CURSOR DOWN** to highlight **Features.**
3. **Press the CURSOR RIGHT** to access the Features menu.
4. **Press the CURSOR DOWN button** until the **DNR** is highlighted.
5. **Press the CURSOR RIGHT or LEFT** to toggle the On or Off option.
6. **Press the STATUS button** to remove the menu from the screen.



How to use the PIP (Picture-in-Picture) Control

While you are in TV mode, you can call up a PIP window for the PC. To enable the PIP to function a DVI Input source must be selected. (Refer to the QUG for details on connections.)

1 **Press the MENU button** on the remote control to display onscreen menu.

2 **Press the CURSOR DOWN button** to highlight **Features.**

3 **Press the CURSOR RIGHT** to access **Features** menu.

4 **Press the CURSOR DOWN button** repeatedly to highlight **PIP.**

5 **Press the CURSOR RIGHT** to access **PIP** menu.

6 **Press the CURSOR LEFT or RIGHT button** to select the PIP Size options : Off, On, Small, Medium, Large or Side-by-Side.

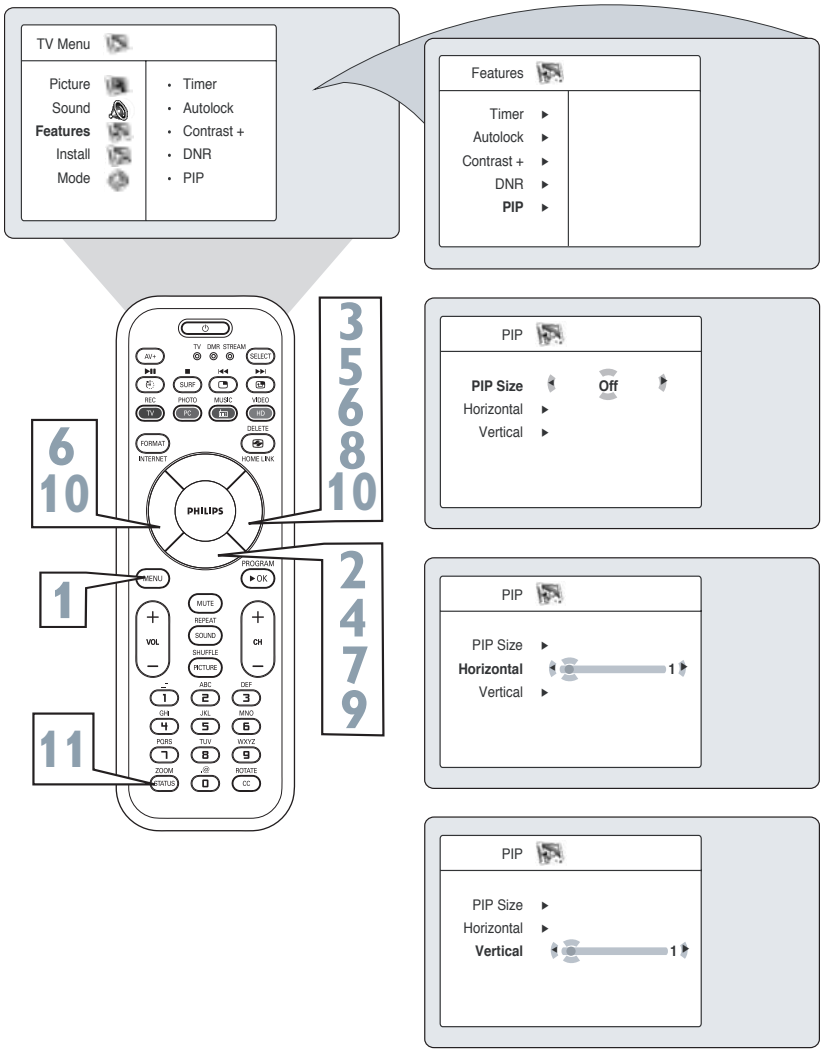
7 If you want to move the PIP screen horizontally, **press the CURSOR DOWN button** again to highlight **Horizontal**.

8 **Press the CURSOR LEFT or RIGHT button** to move the picture horizontally.

9 If you want to move the PIP screen vertically or side-by-side, **press the CURSOR DOWN button** again to highlight **Vertical** or **Side-by-Side**.

10 **Press the CURSOR LEFT or RIGHT button** to move the picture vertically or side-by-side.

11 **Press the STATUS button** to remove the menu from the screen.

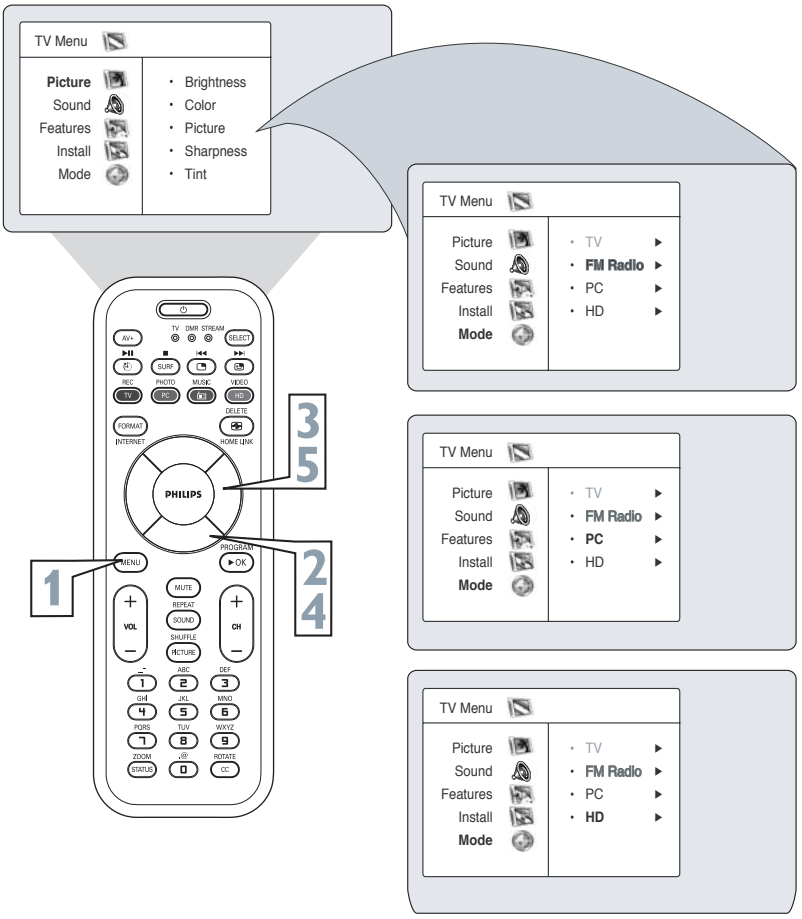


How to use the Mode Control

The Mode Control will allow you to use the TV into the TV, FM, HD, or PC Modes. Depending on how the TV will be used, these modes may have their own onscreen menu controls to optimize capability when used with computers, radios, or high-definition receivers.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN** to highlight **Mode**.
3. **Press the CURSOR RIGHT** to access the **Mode** menu.
4. **Press the CURSOR DOWN button** until the desired Mode (TV, FM Radio, PC, or HD) is highlighted.
5. **After you have highlighted the desired mode is selected, press the CURSOR RIGHT button** to enter the selected **Mode**.

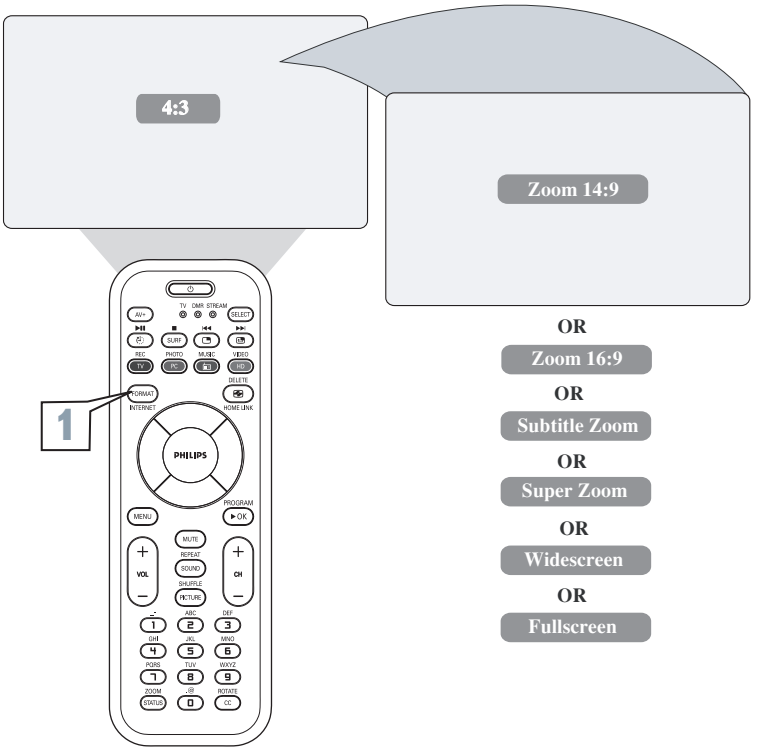
NOTE: You can also press the dedicated button on the remote control to change the Mode.



How to use the Format Control

You can change the screen format size to match the type of program you're watching. Select the normal 4:3, Zoom 14:9, Zoom 16:9, Subtitle Zoom, Super Zoom, or Fullscreen.

1. **Press the FORMAT button repeatedly** to toggle the different format modes. You can select from normal 4:3, Zoom 14:9, Zoom 16:9, Subtitle Zoom, Super Zoom, or Fullscreen.

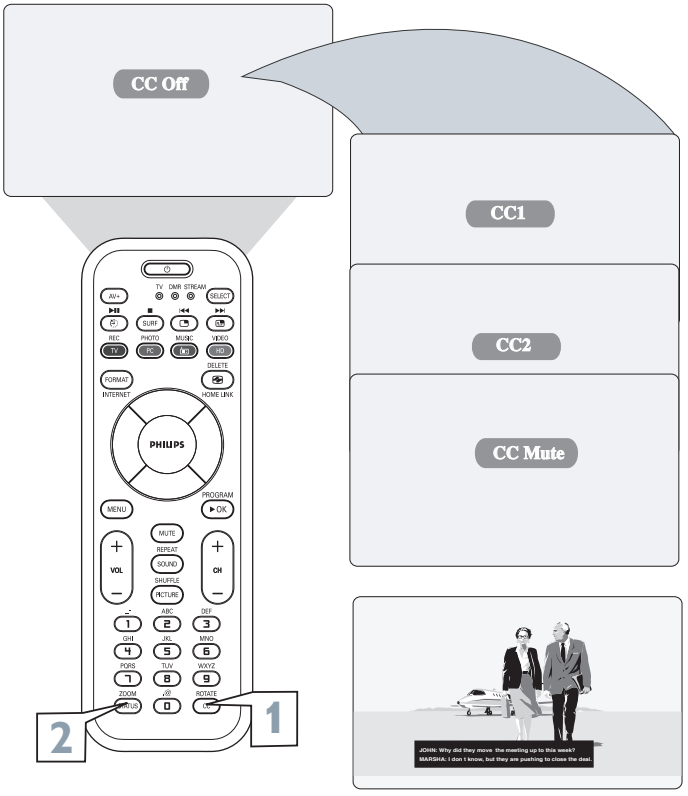


How to use the Closed Captioning Control

Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.

1 **Press the CC button** on the remote control to select a caption mode: CC Off, CC1, CC2, or CC Mute if the TV station broadcasting on the channel is making Closed Captioning available. To turn the Closed Captioning off, select CC Off.

2 **Press the STATUS button** to remove the menu from the screen.



Helpful Hint

NOTE: Not all TV programs and product commercials are broadcast with Closed Captioning (CC). Nor are all Closed Captioning MODEs necessarily being used by broadcast stations during the transmission of a program offering Closed Captioning. Refer to your area's TV program listings for the stations and times of shows being broadcast with Closed Captioning.

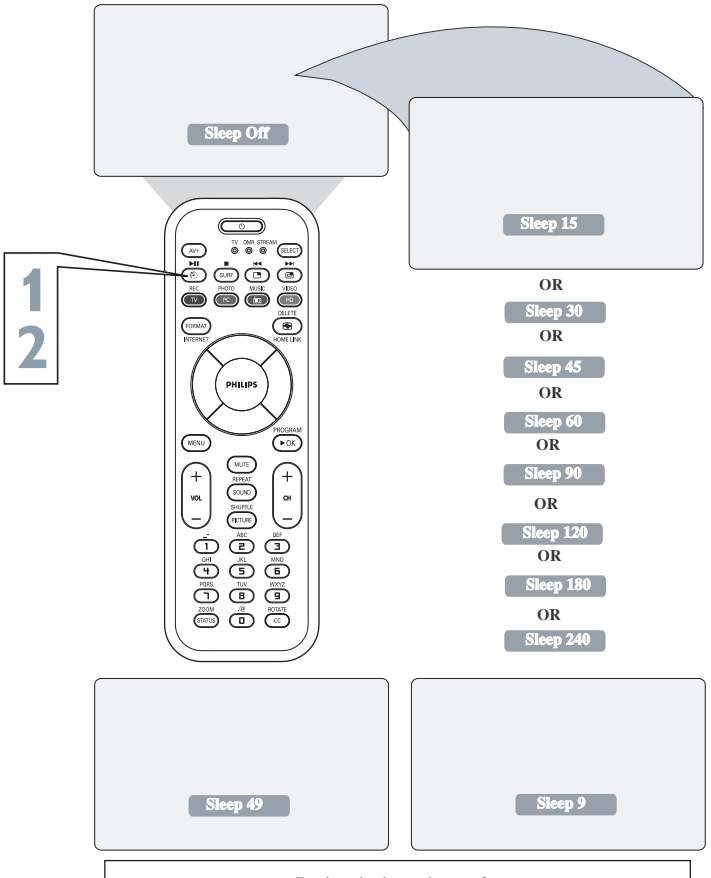
How to use the Sleeptimer Control

Have you ever fallen asleep in front of the TV, only to have it wake you up at two in the morning with a test pattern sound screeching in your ears? Well, your TV can enable you to avoid that discomfort by automatically turning itself off. With the Sleeptimer feature, ou can set a timer to automatically switch the TV off after a period of time you choose (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minute increments, and 60-minute increments up to 240 miutes).

1 **Press the SLEEP button** on the remote control. The Sleeptimer will appear in the lower part of the screen.

2 **Within five seconds, press the SLEEP button** repeatedly to pick the amount of time (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minute increments, and 60-minute increments up to 240 miutes) before the TV will turn itself off.

An onscreen countdown will appear during the last minute before the TV shuts itself off.



Helpful Hint

To see how many minutes remain before the TV shuts itself off, press the STATUS button.

A Sleeptimer setting can be cancelled by pressing any button during the last minute of the operation.

During the last minute of a SLEEP timer setting, an onscreen countdown will be displayed.

How to use the Program List Control

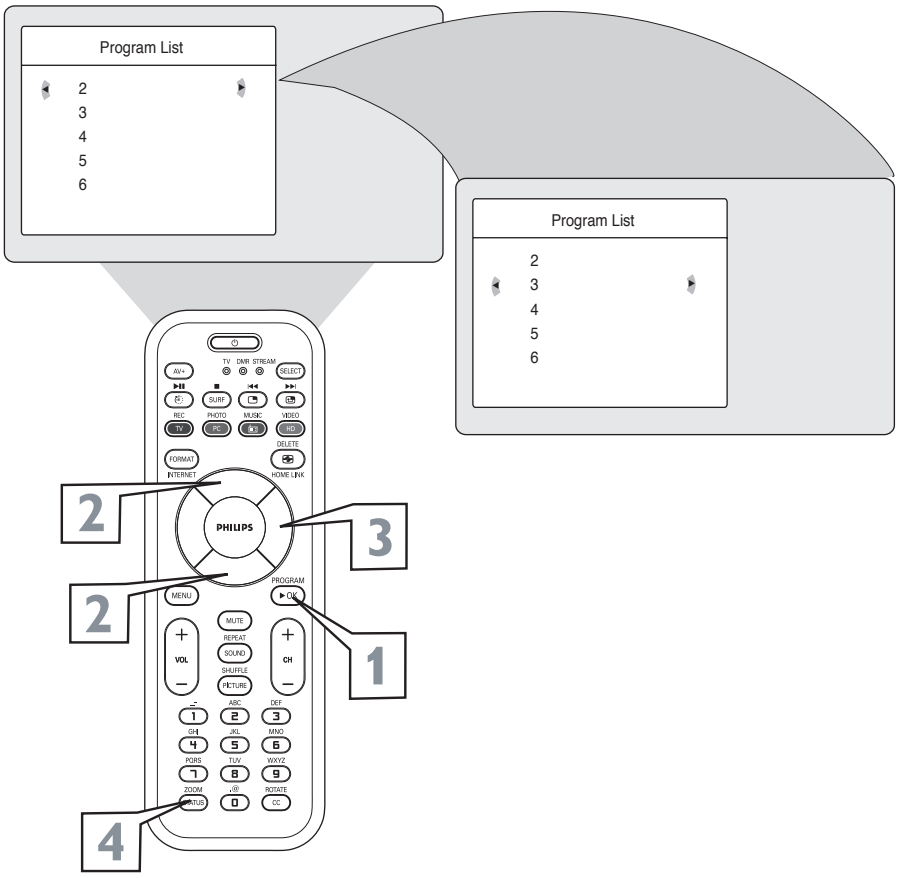
The Program List Control will allow you to quickly overview all the programmed channels that have been placed into the televisions memory (see the Auto Programming section of this manual for more details). Program List will let you easily select the desired channels your looking for. Program List will display the channel number, the name of the channel if you have given it one, and whether it have AutoLock turn on or off.

1 **Press the PROGRAM LIST button** on the remote control to show the current list of installed channels (the current channel will be highlighted).

2 **Press the CURSOR UP or DOWN buttons** to scroll the list of channel, highlighting the one you want to activate.

3 **Press the CURSOR RIGHT button** to activate the channel. The TV will tune to that channel.

4 **Press the STATUS button** to remove the menu from the screen.



How to set the Active Control

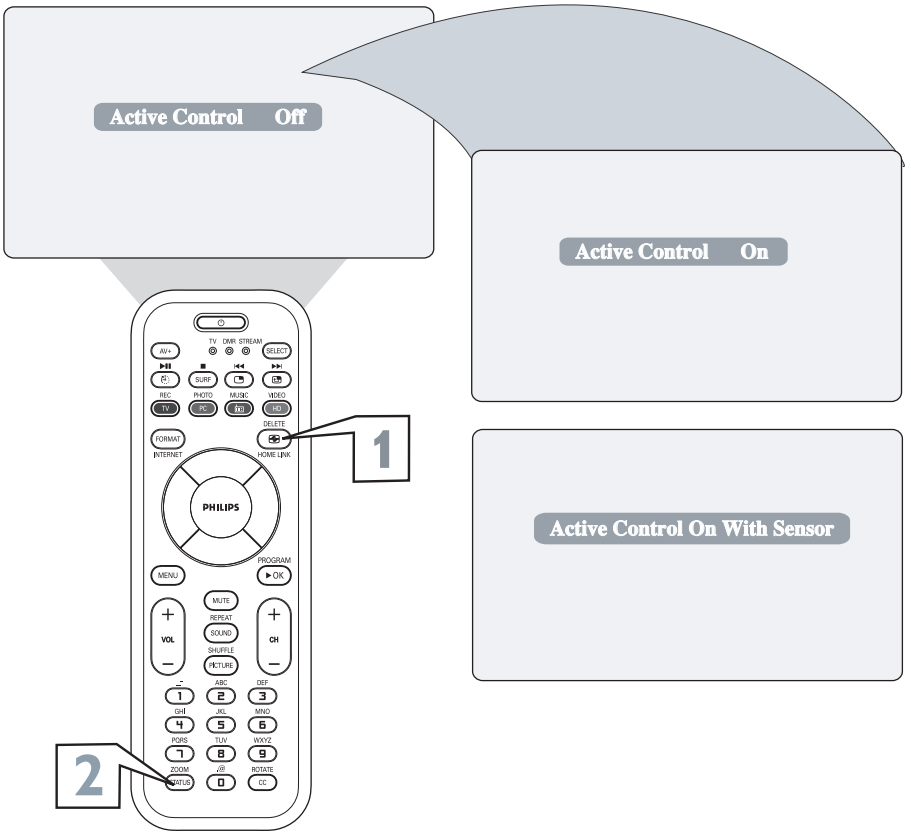
The Active Control monitors and adjusts incoming video signals to help provide the best picture quality.

When you choose to turn the Active Control ON, the picture sharpness and noise reduction are controlled automatically. Active Control adjusts these picture settings continuously and automatically.

You have a choice of three modes: Active Control Off, Active Control On, or Active Control On with Sensor.

1 **Press the Active Control button** on the remote control to toggle the three options and select the desired option.

2 **Press the STATUS button** to remove the menu from the screen.



How to use the Surf Control

A list or series of previously viewed channels can be selected with the SURF button on your remote control. With this feature, you can easily switch between different TV channels that currently interest you. The SURF control allows you to set up to ten channels in its quick viewing list.

1 **Press the CHANNEL(+) or (-) button** (or the numbered buttons) to select a channel to add to the SURF list.

2 **Press the SURF button** on the remote control. The onscreen display may read, "SURF LIST EMPTY." The number of the current channel will be shown with "ADD?" to the right.

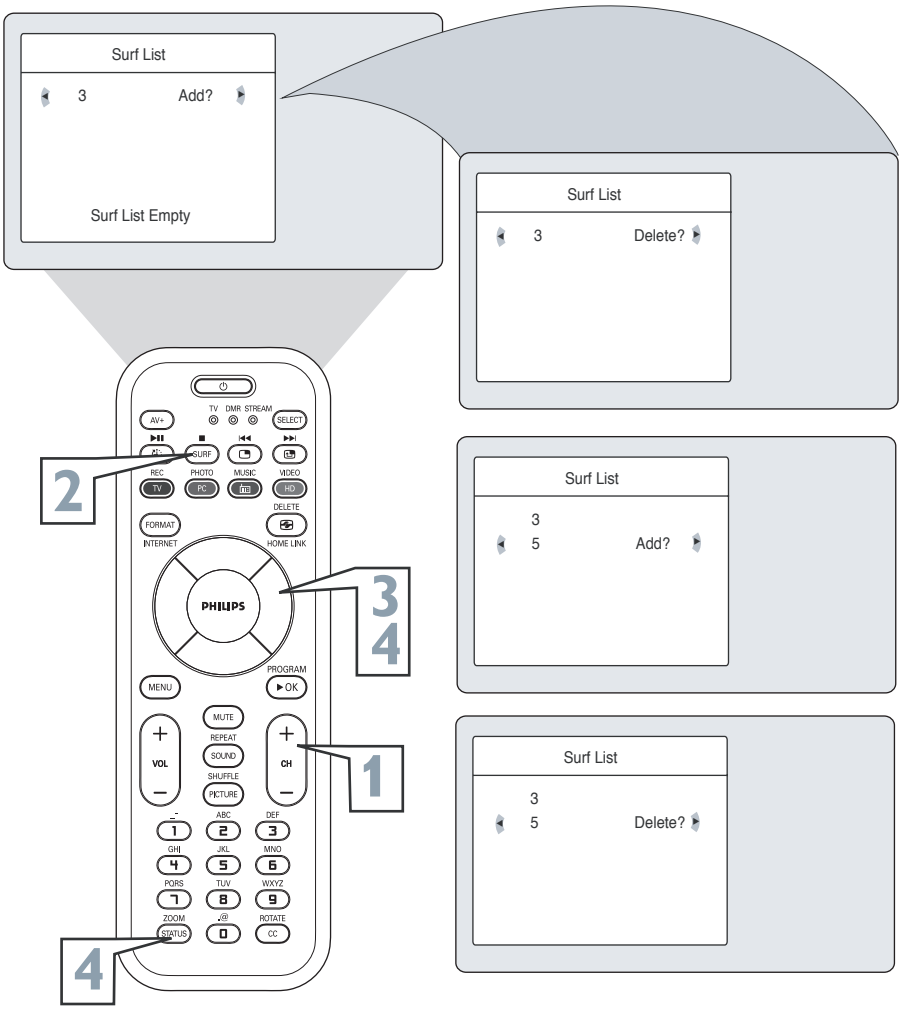
3 While the SURF list message or the SURF channel list appears on the screen, **press the CURSOR RIGHT button** to add the present channel to the SURF list.

4 If you want to delete the present channel from the SURF list, **press the CURSOR RIGHT button** again.

Repeat steps 1 through 3 to add more channels (up to 10) to the SURF list.

Helpful Hint

Along with regularly programmed channels, the external video source connections can be added to the SURF list. This means that the external A/V Jacks and their channels can be added to your SURF list. Use the Source button to tune their channel and use the same steps described on this page to add those channels to the Surf list.



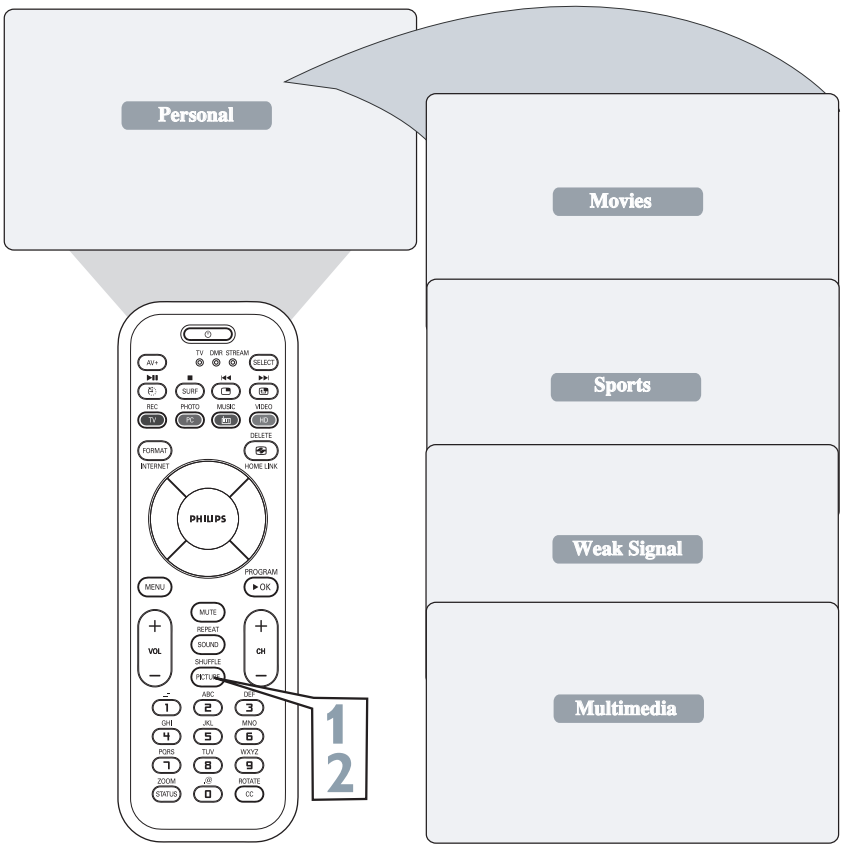
How to use the Auto Picture™ control

Whether you're watching a movie or a video game, your TV has automatic video control settings that will match with your current program source or content. AutoPicture™ quickly resets your TV's video controls for a number of different types of programs and viewing conditions that you may have in your home. The Movies, Sports, Weak Signal, and Multimedia AutoPicture™ controls have been preset at the factory to automatically adjust the TV's brightness, color, picture, sharpness, tint, and color temperature levels. The Personal AutoPicture™ settings are the ones that you made through the PICTURE options within the onscreen menu

1 **Press the PICTURE button** on the remote control. The current AutoPicture™ setting will appear in the middle of the screen.

2 **Press the PICTURE button repeatedly** to select either Personal, Movies, Sports, Weak Signal, or Multimedia picture settings.

NOTE: The Personal setting and the Picture options within the onscreen menu are the same. This is the only option in AutoPicture™ that can be changed. To adjust these settings, use the Pictureoptions within the onscreen menu. All other settings are set up at the factory during production and cannot be adjusted.



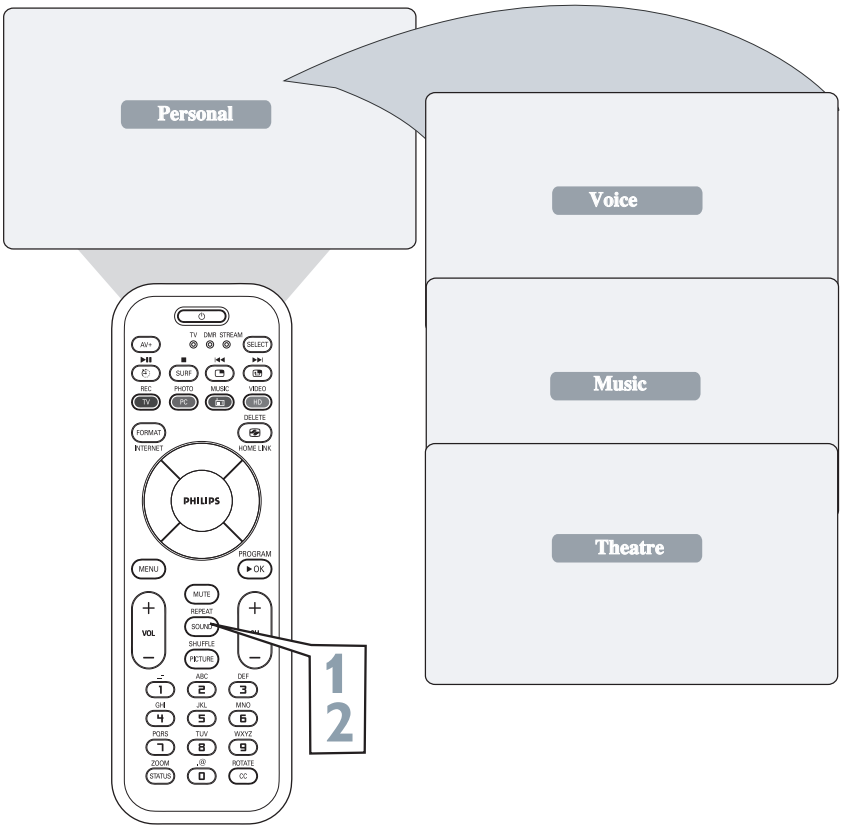
How to use the Auto Sound™ control

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The three factory-set controls (Voice, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular program you are watching. Follow these steps to select any of the options.

1 **Press the SOUND button** on the remote control. The current AutoSound™ setting will appear in the middle of the screen.

2 **Press the SOUND button repeatedly** to toggle among the four settings: Personal, Voice, Music, or Theatre.

Remember, only the Personal control can be changed by the viewer. This changes the settings in the main onscreen menu's Sound controls



Helpful Hint

AutoSound™ works only with the programs coming through the ANTENNA/CABLE (ANT) input on the rear of the TV (RF audio). It will not control the sound levels for the external connections.

SETTING UP THE FM MODE (FM RADIO)

MODE SELECT CONTROLS

The Mode options allow you to move to other operating modes within the TV. When in the FM Radio Mode, choose from TV , PC or HD Modes.

1 **If in the FM Radio mode, press the MENU button** on the remote control to display the FM Radio Mode onscreen menu.

2 **Press the CURSOR DOWN button** until **Mode** is highlighted.

3 **Press the CURSOR RIGHT button** to access the TV, PC or HD mode.

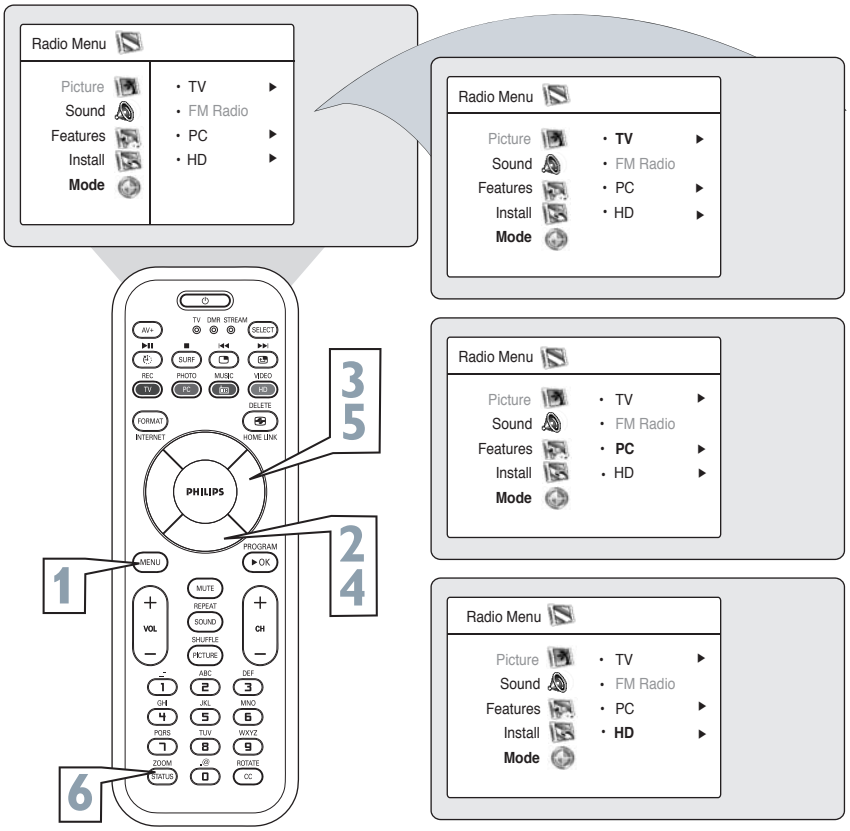
4 **Press the CURSOR UP or DOWN buttons** to choose **TV, PC, or HD.**

TV - This will switch the TV back to the TV Mode of operation.

PC - This control will switch the TV to the PC Mode of operation. Note a PC signal must be present for this to work, or the TV will go into standby mode.

5 **Press the CURSOR RIGHT button** to activate the selected control and change to the highlighted mode.

6 **Press the STATUS button** to remove the menu from the screen.



INSTALL CONTROLS

This TV also provides you with an FM Radio. An FM Radio signal must be connected to the FM Antenna 75 ohm Jack located on the bottom of the TV

1 **To enter the FM Mode, press the RADIO button** on the remote control. The FM Mode has its own onscreen menu options.

2 **Press the MENU button** on the remote control to display the FM Mode onscreen menu.

3 **Press the CURSOR RIGHT button** on the remote control to access the **Install** menu.

4 **Press the CURSOR UP or DOWN buttons** to scroll through the available Install options. These options include: **Language, Auto Program or Manual Program.**

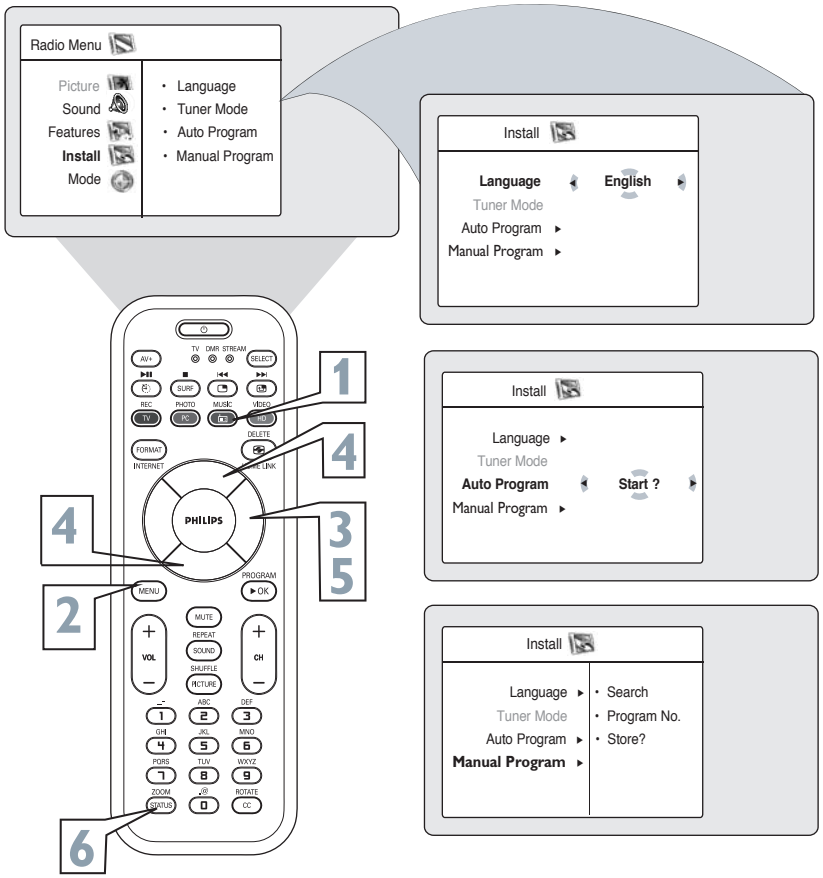
LANGUAGE - Choose to view the onscreen menu in English, French or Spanish.

AUTO PROGRAM - The Auto Program control will search the FM antenna signal and store any FM channel it finds in the TV's memory.

MANUAL PROGRAM - This control will allow you to manually tune any available FM signals.

5 **Press the CURSOR RIGHT button** to adjust or select items within the highlighted feature sub-menu.

6 **Press the STATUS button** to remove the menu from the screen.



SETTING UP THE FM MODE (FM RADIO)

FM RADIO TIMER CONTROLS

Your TV or FM Radio comes with an onscreen clock. The FM Radio can also be set to turn on or off at a specific time and tune to a specific channel when it powers itself on.

1 **Press the MENU button** on the remote control to show the onscreen menu.

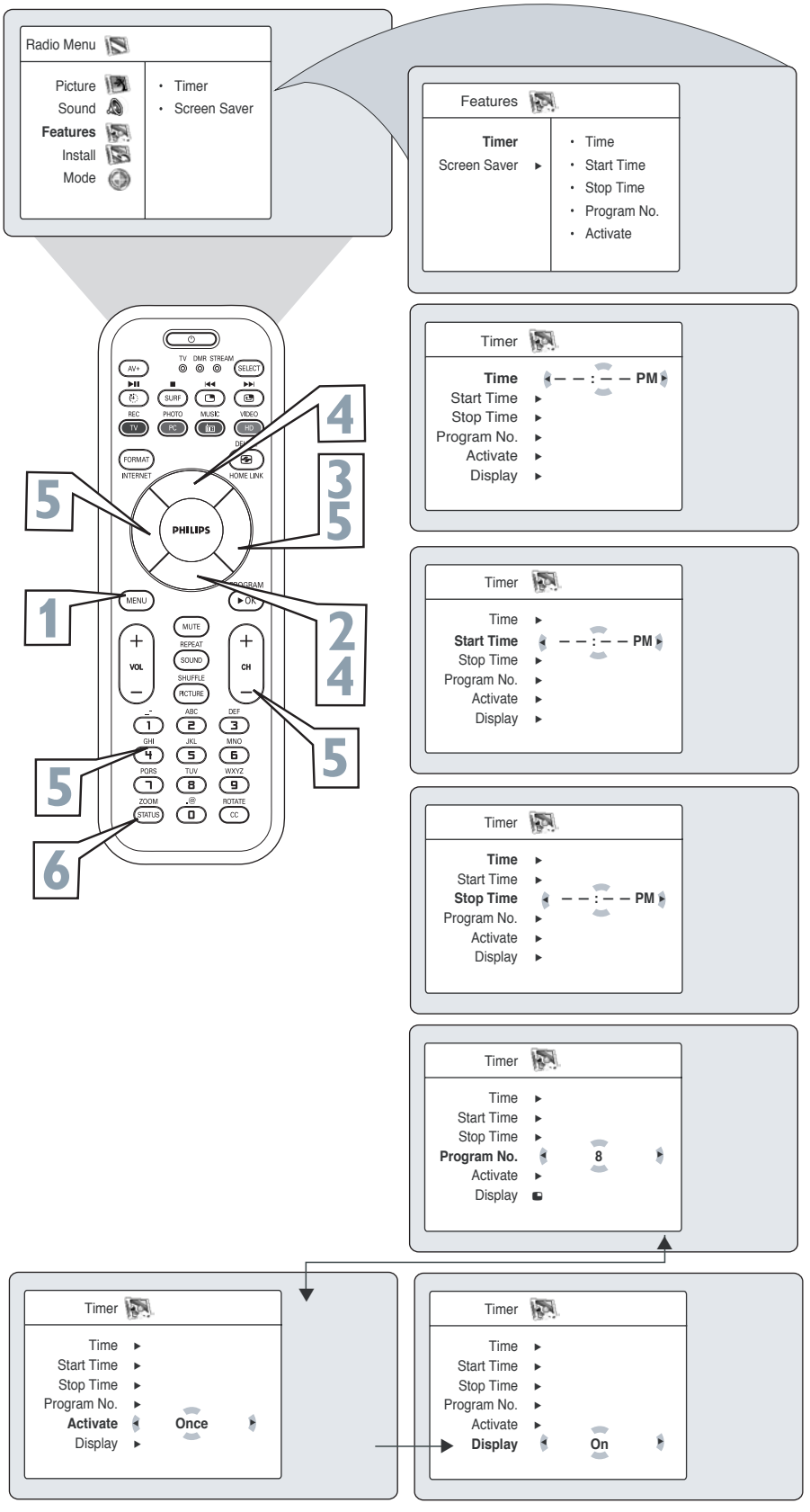
2 **Press the CURSOR DOWN button** to highlight **Features**.

3 **Press the CURSOR RIGHT button** to enter the Features menu.

4 **Press the CURSOR UP or CURSOR DOWN button** to highlight one of the Timer controls. These controls are **Time, Start Time, Stop Time, Program No., Activate,** or **Display**.

5 **Press the CURSOR RIGHT or CURSOR LEFT button** to make adjustments or to toggle the On or Off options.
Time: Enter the current time using the Numbered buttons. Use the CURSOR RIGHT to move to the AM/PM slot and use the CURSOR LEFT or CURSOR RIGHT buttons to toggle the AM and PM setting.
Start Time: Use the numbered buttons to enter the time you want the TV to turn itself On. Use the CURSOR RIGHT and CURSOR LEFT buttons to toggle the AM and PM setting.
Stop Time: Use the numbered buttons to enter the time you want the TV to turn itself Off. Use the CURSOR RIGHT and CURSOR LEFT buttons to toggle the AM and PM setting.
Program No.: Use the NUMBERED buttons or the CH + or CH- buttons to enter the desired start-up channel. You can also press the CURSOR RIGHT or CURSOR LEFT buttons to enter the desired start-up channel.
Activate: Set the timer to turn itself On (Once or Daily) or Off. Press the CURSOR RIGHT and CURSOR LEFT buttons to select Once, Daily, or Off.
Display: Press the CURSOR RIGHT or CURSOR LEFT to toggle between On or Off. If On is selected, the time will be displayed all the time when the TV is on. When Off is selected, the time will only appear when the STATUS button is pressed.

6 **Press the STATUS button** to remove the menu from the screen.



HELPFUL HINT

IMPORTANT
For the Timer to function, the set must not be turned off. It must be at standby mode. Once the set is turned off, the Timer is disabled.

FM RADIO SOUND CONTROLS

To ensure the best sound quality from the FM Radio feature of this TV, several Sound Controls are available for adjustment.

1 **To enter the FM Mode, press the RADIO button** on the remote control. The FM Mode has its own onscreen menu options.

2 **Press the MENU button** on the remote control to display the FM Mode onscreen menu.

3 **Press the CURSOR DOWN button** until **SOUND** is highlighted.

4 **Press the CURSOR RIGHT button** to shift menu to the left, accessing the **SOUND** onscreen menu options. These options include : **EQUALIZER, BALANCE, AVL, DOLBY VIRTUAL or SOUND.**

5 **Press the CURSOR UP or DOWN** button to select the sound options you want to adjust.

6 **Press the CURSOR LEFT or RIGHT** button to adjust the selected sound control.

NOTE : If **Equaliser** is selected, **press the CURSOR RIGHT** button to enter **Equaliser** menu and **press the CURSOR UP or CURSOR DOWN** button to select from 120Hz to 10KHz. Then **press the CURSOR LEFT or CURSOR RIGHT button** to adjust the selected control.

7 **Press the STATUS button** to remove the menu from the screen.

HELPFUL HINT

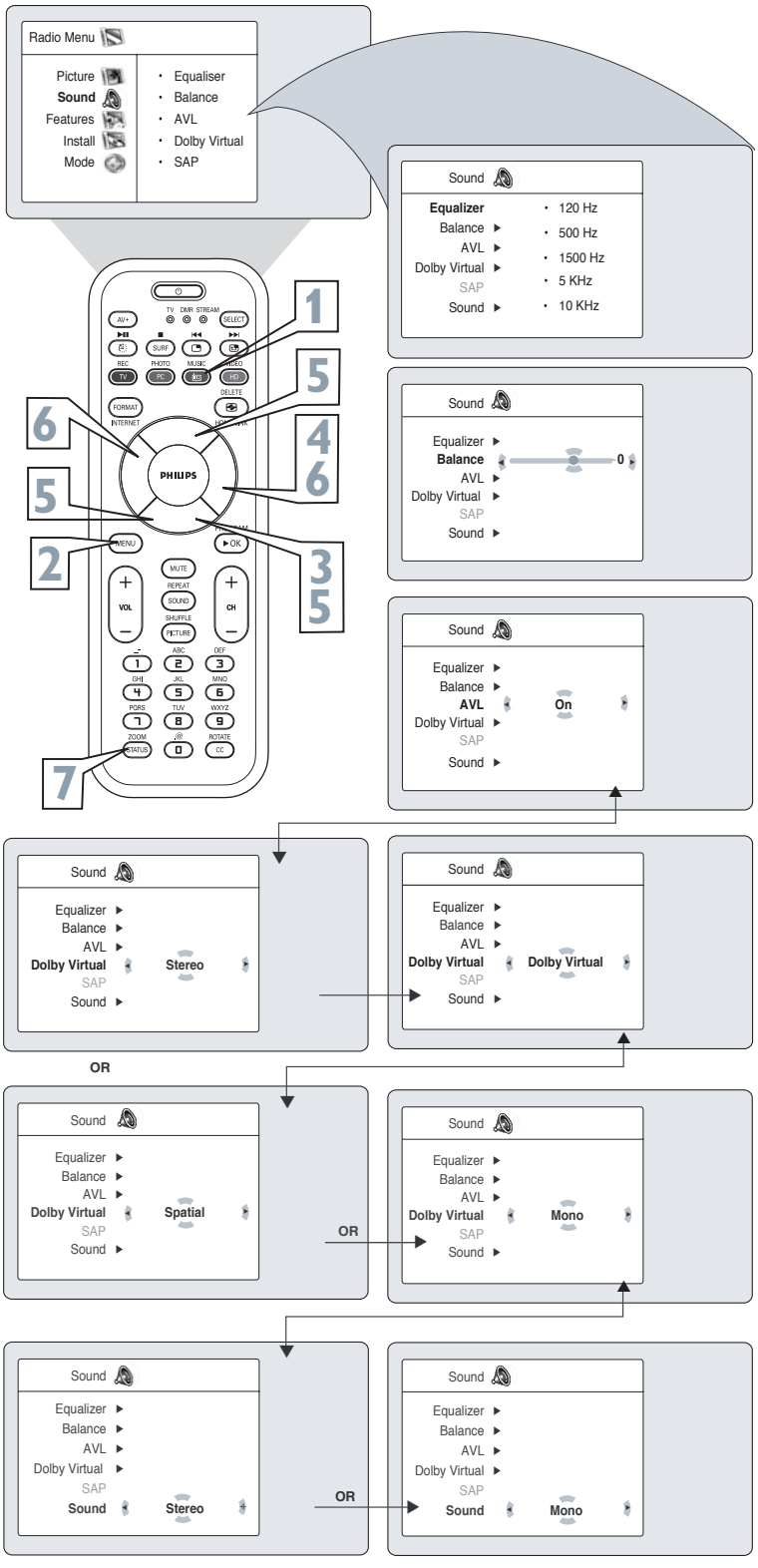
EQUALIZER – Allows the listener to change the sound frequencies to their liking.

BALANCE – This controls the sound level balance between the right and left TV speakers.

AVL – AutomaticVolume Leveler, when ON, will keep the volume level at a consistent level should there be sudden peaks and valleys in sound levels during commercial breaks or channel changes.

DOLBY VIRTUAL – Adds greater depth and dimension to TV sound. Select from Dolby Virtual or Stereo (if Stereo) or Spatial or Mono (if Mono).

SOUND – Select Stereo or Mono. If the signal is being received in Mono,the Sound cannot be placed in Stereo.



SETTING UP THE FM MODE (FM RADIO)

SCREENSAVER CONTROL

While in the FM Mode, there is a Screensaver option that can be used. The Screensaver control, when on, will circulate the screen station indication around the display.

1 **If in the FM mode, press the MENU button** on the remote control to display the FM Mode onscreen menu.

2 **Press the CURSOR DOWN button** until FEATURES is highlighted.

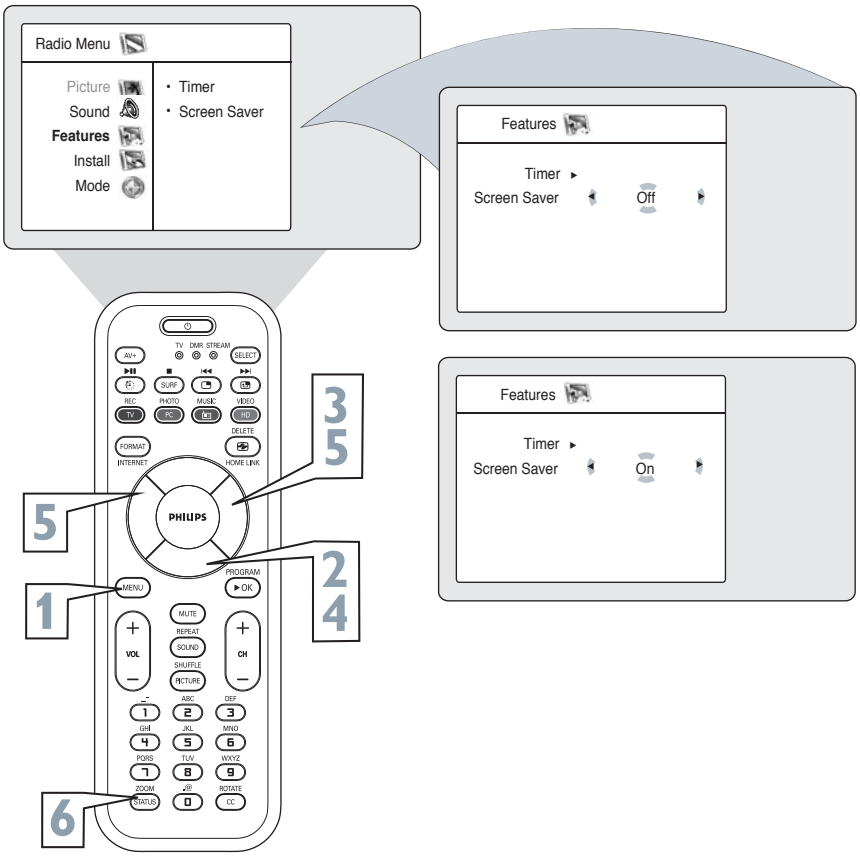
3 **Press the CURSOR RIGHT button** to shift the menu to the left. TIMER will be highlighted.

4 **Press the CURSOR DOWN button** until SCREENSAVER is highlighted.

5 **Press the CURSOR RIGHT or LEFT button** to toggle the Screensaver control ON or OFF.

With the Screensaver control set to ON, the display will shift around the screen pausing in one place for a brief moment.

6 **Press the STATUS/EXIT button** to remove the onscreen menu from the TV screen when finished. Or, let the display time out and the menu will disappear after a few second.

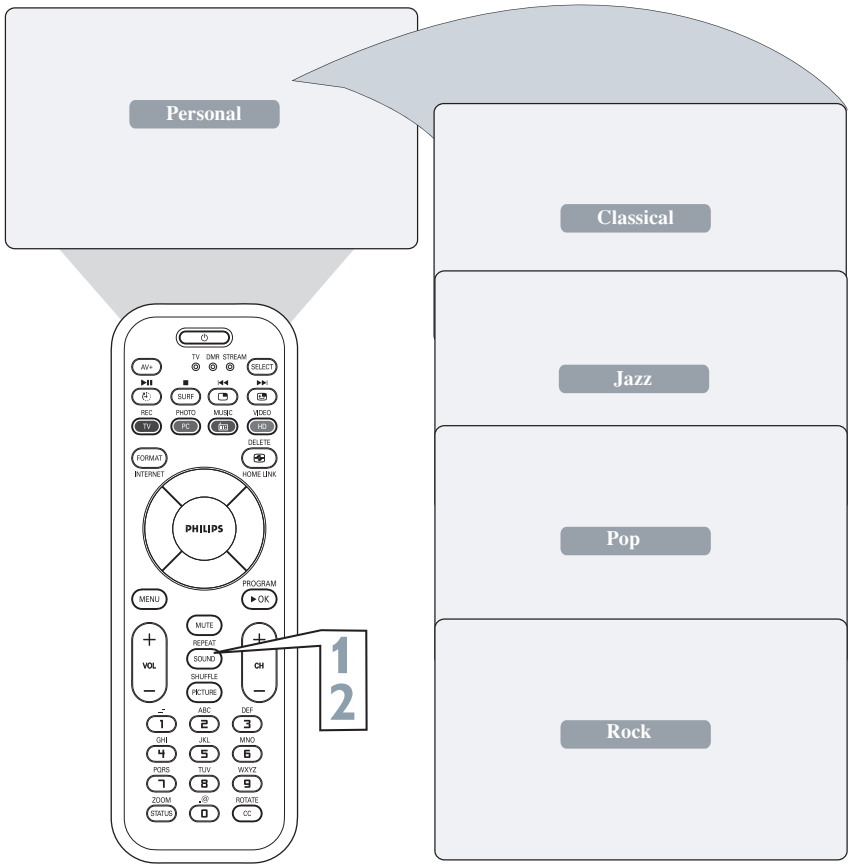


AUTOSOUND™ CONTROLS

AutoSound™ allows you to select from four factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu within the FM Mode. The four factory-set controls (Classical, Jazz Pop, or Rock) enable you to tailor the sound so as to enhance the particular program you are listening to.

1 **If in the FM mode, press the AUTO SOUND button** on the remote control to display the first AutoSound™option on the screen.

2 **Press the AUTO SOUND button** repeatedly to toggle through the factory pre-defined setting for the following musical styles: CLASSICAL, JAZZ, POP, ROCK or PERSONAL (the way you set the equalizer).



SETTING UP THE PC MODE (PERSONAL COMPUTER MONITOR)

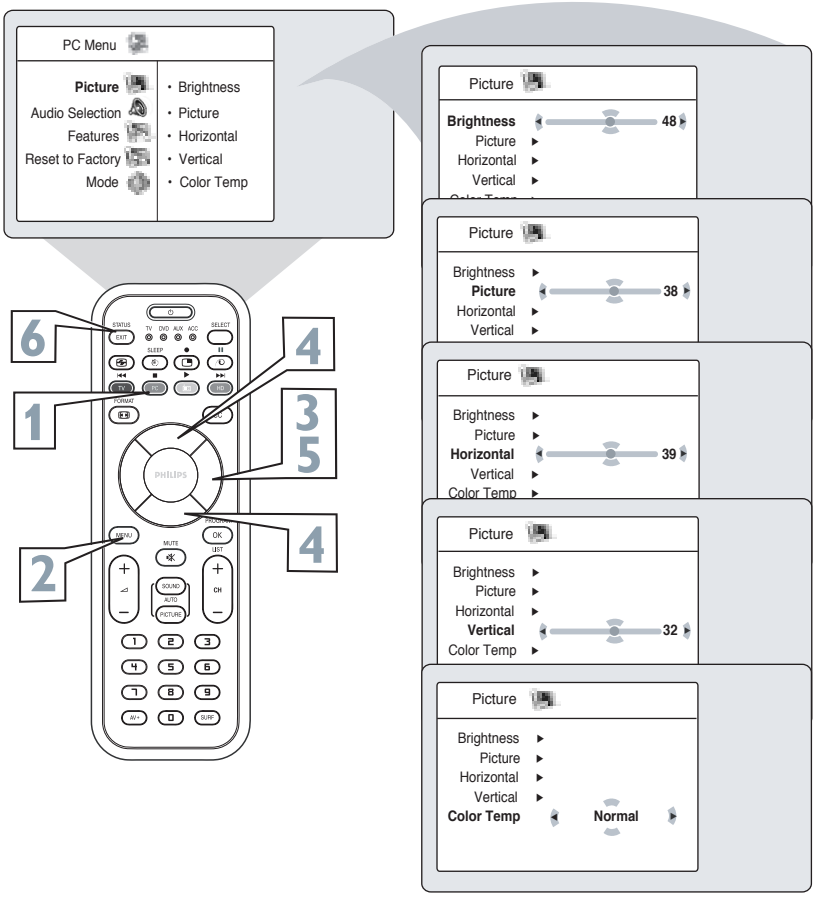
PC PICTURE CONTROLS

To ensure the best picture quality from the PC feature of this TV, several Picture Controls are available for adjustment.

Note:
When using the LCD TV as a PC monitor, slight diagonal interference lines may be observed when it is operated under electromagnetic interference environment but will not affect the performance of this product. For better performance, good quality VGA cable with good noise isolation filter is recommended.

1. **Press the PC button** on the remote control to enter into **PC** mode.
2. **Press the MENU button** on the remote control to display the Picture menu.
3. **Press the CURSOR RIGHT button** to access the **Picture** menu.
4. **Press the CURSOR UP or CURSOR DOWN button** repeatedly to select any of the picture items:

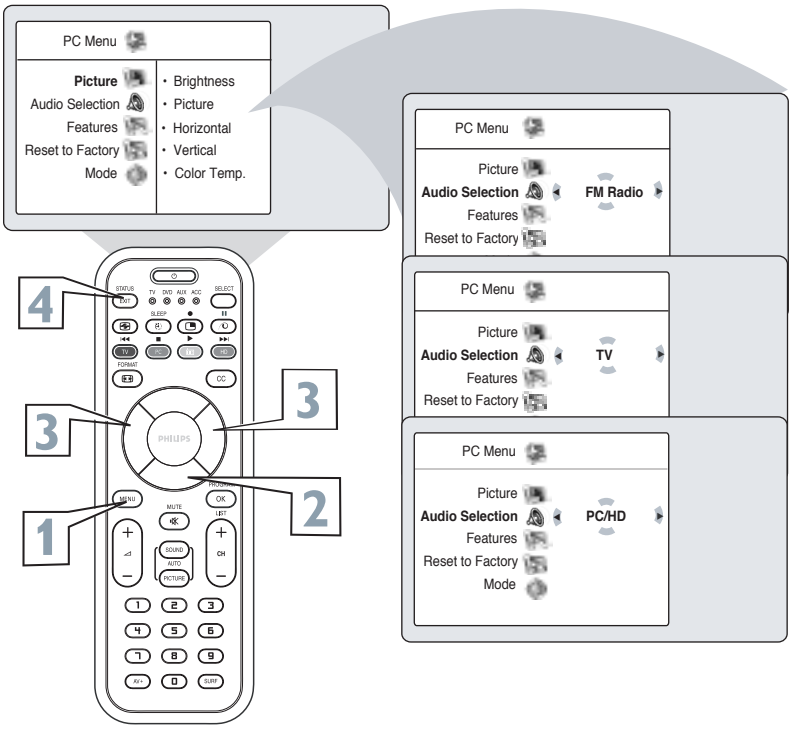
   Brightness- adds or subtracts light from the darkest part of the picture.
   Picture- improves the detail of the lightest parts of the picture.
   Horizontal- Allows you to adjust the horizontal placement of the image.
   Vertical- allows you to adjust the vertical placement of the image.
   Color Temp.- Allows you to adjust the color temperature of the picture. Select from Normal, Cool, or Warm.
5. Once you have highlighted a selection, **press the CURSOR LEFT or CURSOR RIGHT button** to navigate, adjust, or activate the specific controls.
6. **Press the STATUS/EXIT button** to remove the menu from the screen.



PC AUDIO SELECTION

This TV lets you choose the sound that is heard while in PC Mode. You can select TV, PC/HD or FM Radio. For example, you can listen to the radio while you use the computer.
NOTE: You must select the source before selecting PC. You cannot change the channel or station while in PC Mode.

1. **Press the MENU button** on the remote control to display onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly to highlight **Audio Selection.**
3. **Press the CURSOR LEFT or CURSOR RIGHT button** repeatedly to select **FM Radio, PC/HD,** or **TV.**
4. **Press the STATUS/EXIT button** to remove the menu from the screen.



SETTING UP THE PC MODE (PERSONAL COMPUTER MONITOR)

PC FEATURES

1 **Press the MENU button** on the remote control to display onscreen menu.

2 **Press the CURSOR DOWN button REPEATEDLY** to highlight the **FEATURES.**

3 **Press the CURSOR RIGHT button** to access the Features menu.

4 **Press the CURSOR UP or CURSOR DOWN buttons** to access the items in the Features menu:

Phase - eliminates the horizontal interfering lines

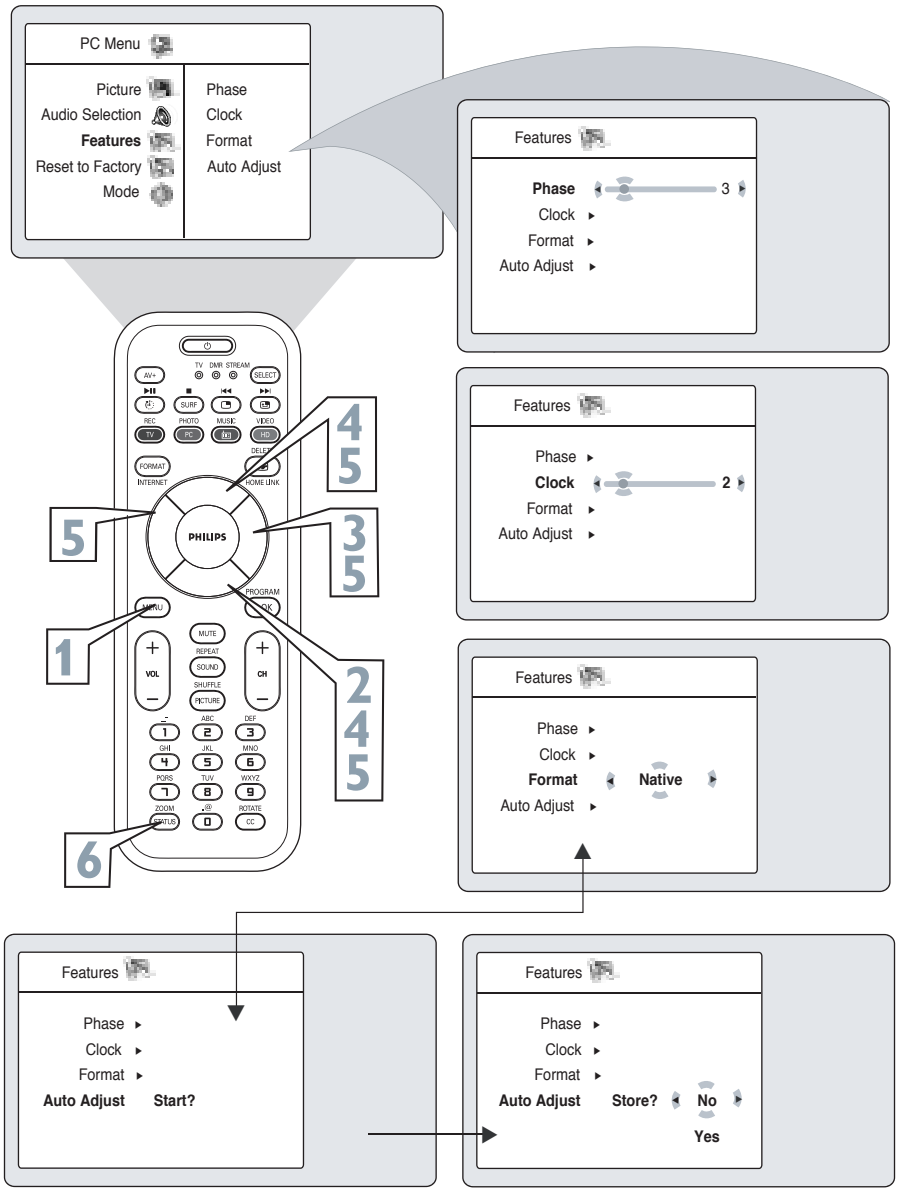
Clock - eliminates the vertical interfering lines

Format - choose between Full Screen and the original format (Native) of the PC screen.

Auto Adjustment - automatically adjusts the control based on the signal being received to give the best possible picture.

5 **Press the CURSOR LEFT or CURSOR RIGHT button** to make the desired adjustments.
Note : For Auto Adjustment feature, press **the CURSOR LEFT** to start adjustment. When adjustment is completed, **press the CURSOR UP or DOWN** to select **YES** if you want **to store adjustment** or select **NO** if you do not want to store adjustment.

6 **Press the STATUS button** to remove the menu from the screen.



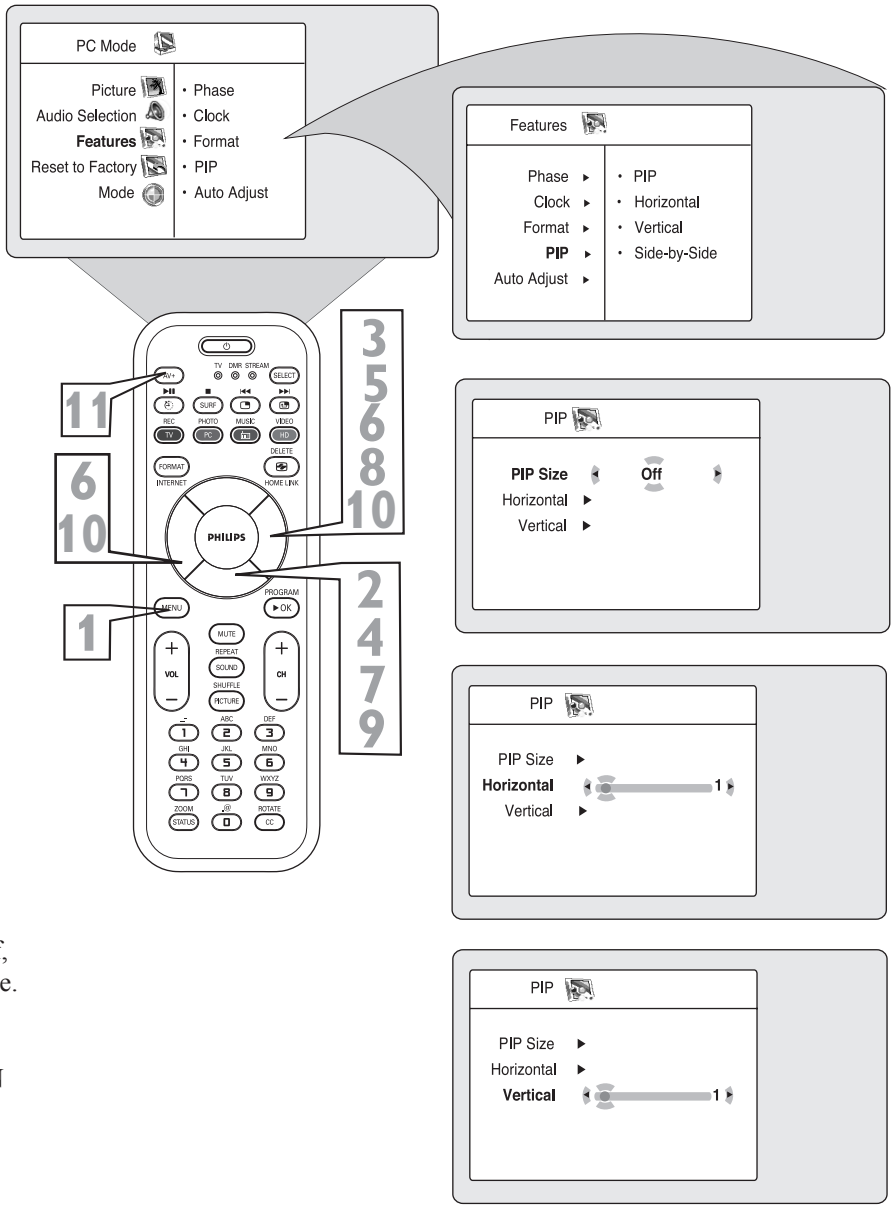
Here is the list of the different display resolutions available on your TV:

640 x 350, 70 Hz	**800 x 600, 56 Hz**	**1024 x 768, 85 Hz**
640 x 350, 85 Hz	**800 x 600, 60 Hz**	**1152 x 864, 75 Hz**
640 x 480, 60 Hz	**800 x 600, 72 Hz**	**1280 x 768, 75 Hz**
640 x 480, 67 Hz	**800 x 600, 75 Hz**	
640 x 480, 72 Hz	**800 x 600, 85 Hz**	
640 x 480, 75 Hz	**800 x 624, 75 Hz**	
640 x 480, 85 Hz	**1024 x 768, 60 Hz**	
720 x 400, 70 Hz	**1024 x 768, 70 Hz**	
720 x 400, 85 Hz	**1024 x 768, 75 Hz**	

SETTING UP THE PC MODE (PERSONAL COMPUTER MONITOR)

PC PIP CONTROLS

While in PC mode, you can bring up a PIP window for the TV, HD or FM Radio channel. For example, you can listen to the radio while you use the computer. For PIP to function, an accessory must be connected to the DVI Input (See Quick-Guide for connection). Press the VGA button on the remote control repeatedly until PC-D appears in the top left-hand corner of the screen.



1 **Press the MENU button** on the remote control to display onscreen menu.

2 **Press the CURSOR DOWN button** to highlight **Features.**

3 **Press the CURSOR RIGHT** to access **Features** menu

4 **Press the CURSOR DOWN button** repeatedly to highlight **PIP.**

5 **Press the CURSOR RIGHT** to access **PIP** menu.

6 **Press the CURSOR LEFT or RIGHT button** to select the PIP Size options : Off, On, Small, Medium, Large or Side-by-Side.

7 If you want to move the PIP screen horizontally, **press the CURSOR DOWN button** again to highlight **Horizontal**.

8 **Press the CURSOR LEFT or RIGHT button** to move the picture horizontally.

9 If you want to move the PIP screen vertically or side-by-side, **press the CURSOR DOWN button** again to highlight **Vertical** or **Side-by-Side**.

10 **Press the CURSOR LEFT or RIGHT button** to move the picture vertically or side-by-side.

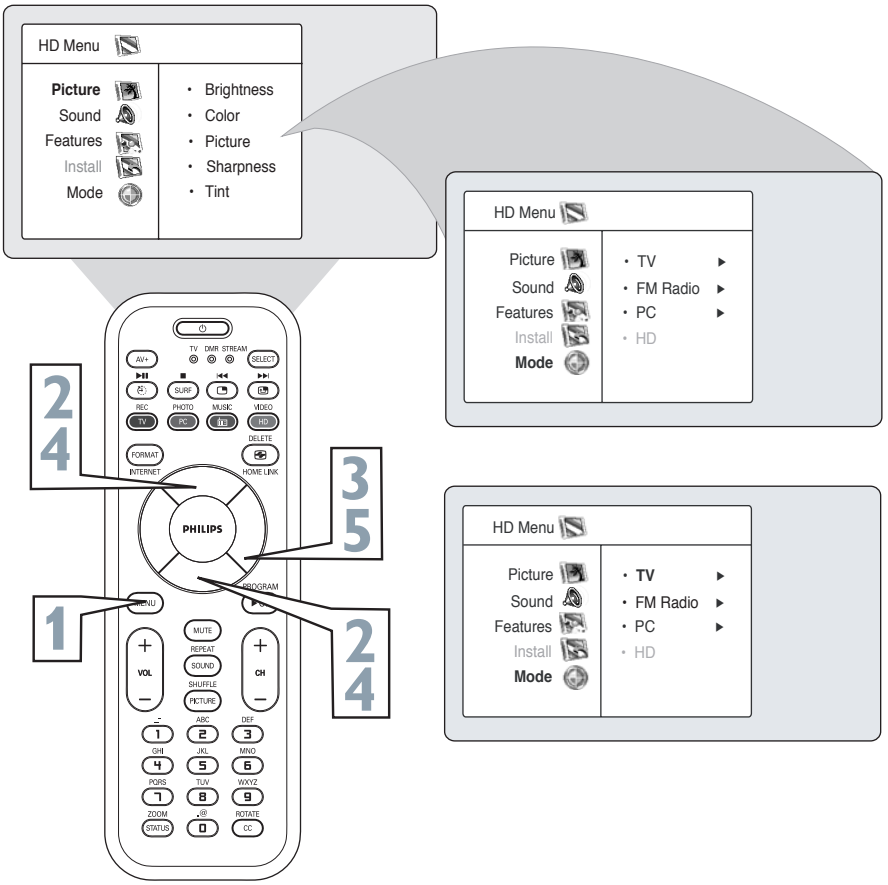
11 **Press the STATUS button** to remove the menu from the screen.

SETTING UP THE HD MODE (HIGH DEFINITION)

HD SELECT CONTROL

The HD Select Control will allow you to quickly change from the HD Mode of operation to the TV, FM Radio, or PC Modes.

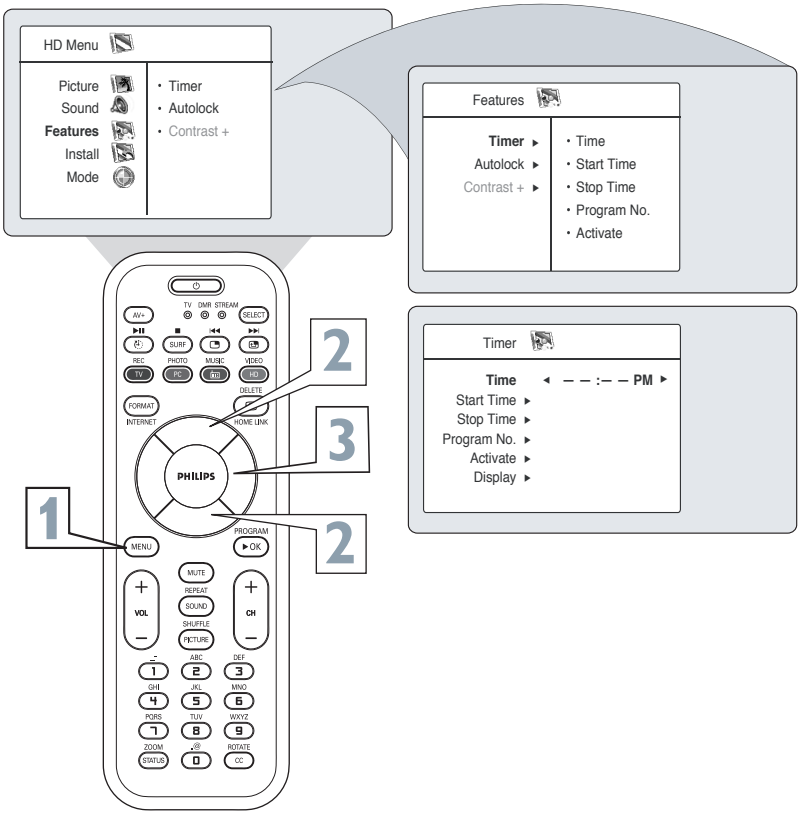
1. **If in the HD Mode, press the MENU button** on the remote control to display the HD Mode onscreen menu. The PICTURE option will be highlighted.
2. **Press the CURSOR UP or DOWN buttons** until **Mode** is highlighted.
3. **Press the CURSOR RIGHT button** to highlight the **Mode** options. **TV** mode is highlighted.
4. **Press the CURSOR UP or DOWN button** to choose **TV**, **FM Radio** or **PC** mode**.**
5. **Press the CURSOR RIGHT button** to activate the highlighted mode control.



HOW TO USE THE TIMER MENU CONTROLS

The HD Mode Timer also allows you to set to turn On or Off the HD channel at a specific time and tune to a specific channel when it powers itself on. The HD Mode Timer operates in exactly the same way as the TV Timer menu.

1. **In the HD Mode, press the MENU button** on the remote control to display the HD Mode onscreen menu.
2. **Press the CURSOR UP or CURSOR DOWN button** to highlight **Features.**
3. **Press the CURSOR RIGHT button** to access the **Features** menu and press the **CURSOR RIGHT button again** to enter HD Mode Timer menu.
4. Proceed to set the timer. Refer to page 10 and follow the steps in "**How to Use the Timer Controls**" in **TV mode**.



SETTING UP THE HD MODE (HIGH DEFINITION)

PICTURE CONTROLS

The HD Mode offers certain Picture, Sound and Blocking options within its onscreen menu. Below is a list of Picture Menu options.

1 **Press the HD button** on the remote control to place the TV in the HD Mode (HD1).

2 **Press the MENU button** on the remote control to display the HD Mode onscreen menu. The PICTURE option will be highlighted.

3 **Press the CURSOR DOWN buttons** until **Picture** is highlighted.

4 **Press the CURSOR RIGHT button** to shift the menu to the left, accessing the Picture onscreen menu options.

5 **Press the CURSOR UP or DOWN buttons** to highlight any of the HD Mode Picture Controls. Choose from: **BRIGHTNESS, COLOR, PICTURE, SHARPNESS, TINT, COLOR TEMP.**

BRIGHTNESS - This control will adds or subtracts light from the darkest part of the picture.

COLOR - This control adds or eliminates color intensity from the picture.

PICTURE - This control improves the detail of the lightest parts of the picture.

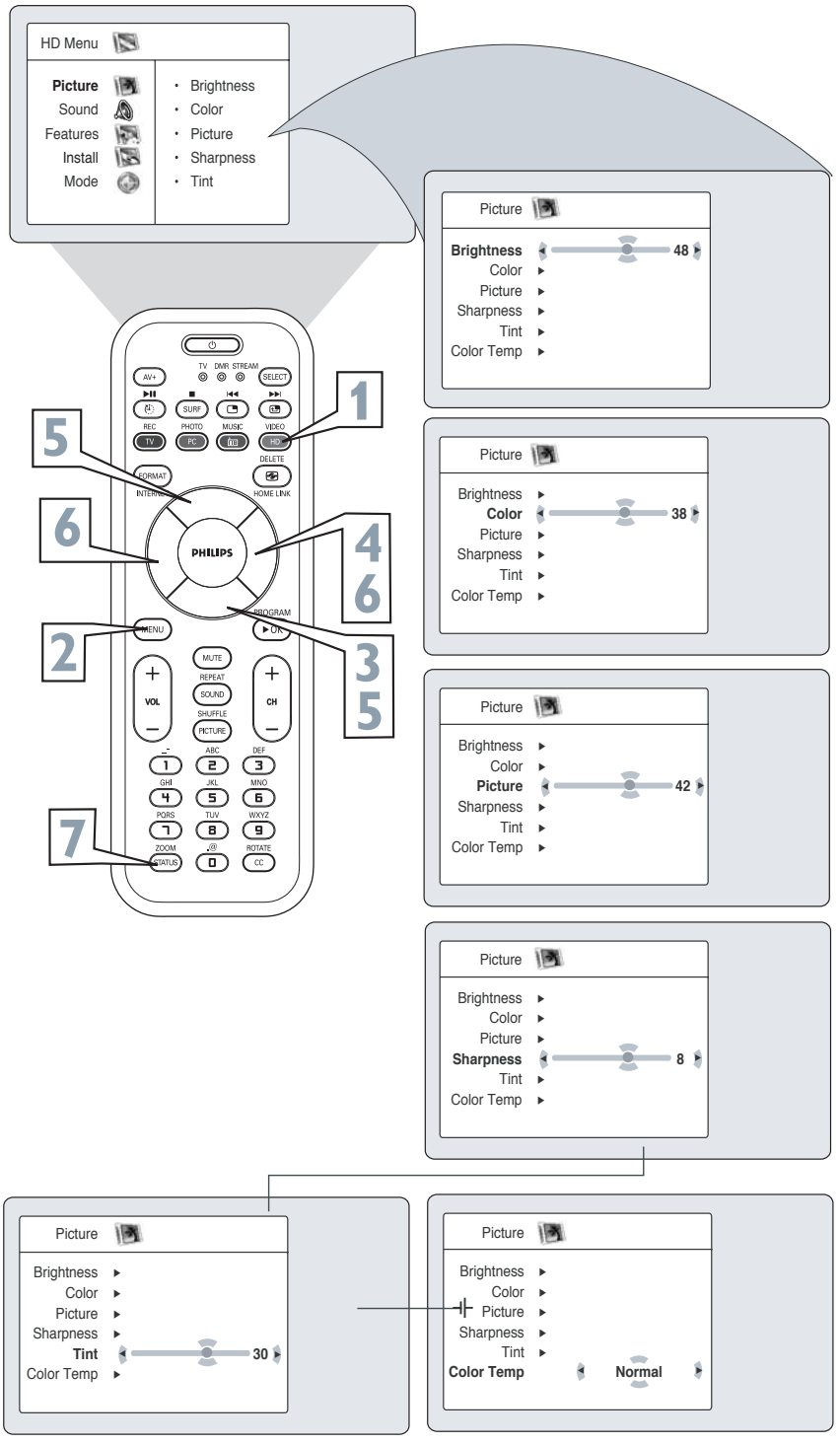
SHARPNESS - This control improves the detail in the picture.

TINT - This control adjusts the picture to obtain natural skin tones.

COLOR TEMP - Choose from NORMAL (keeps whites, white), COOL (makes whites, bluish), or WARM (makes whites, reddish) picture preferences.

6 **Press the CURSOR RIGHT or LEFT buttons** to adjust the selected control.

7 **Press the STATUS button** to remove the onscreen menu from the TV screen when finished. Or, let the display time out and the menu will disappear after a few second.

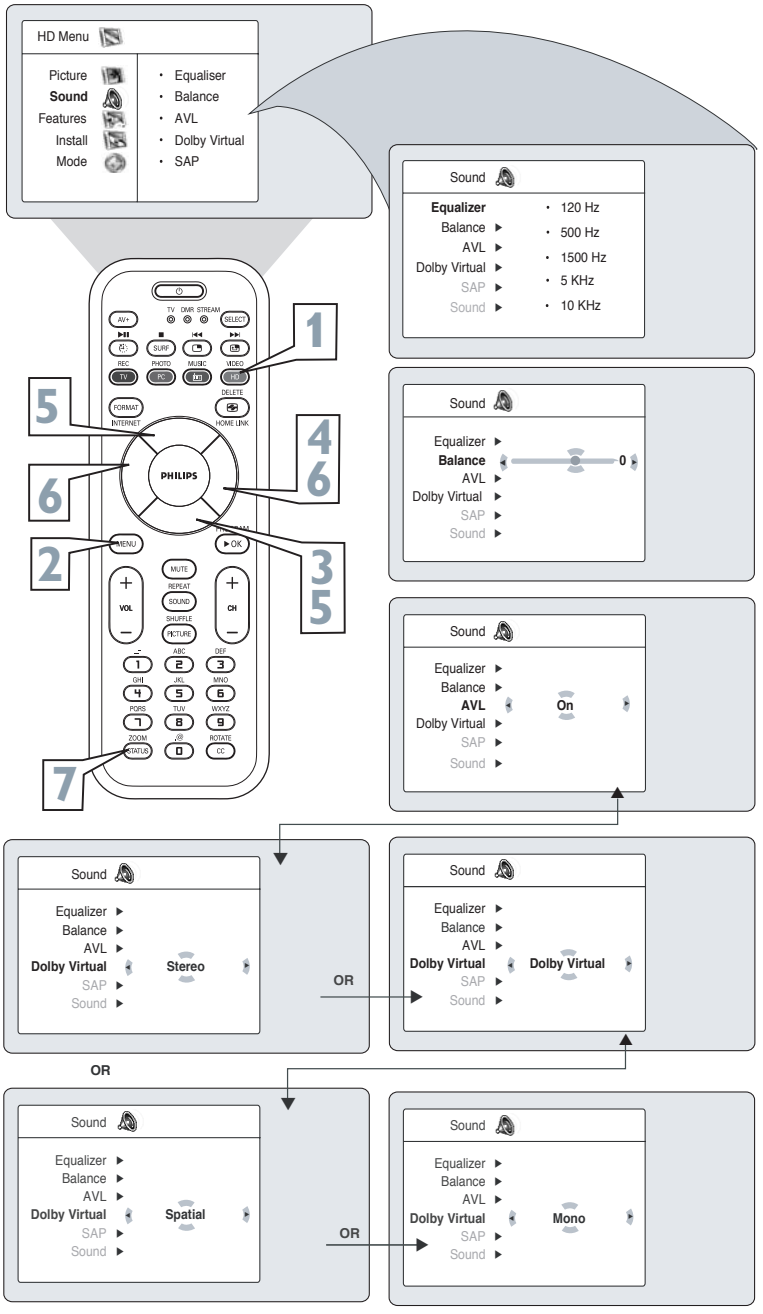


SETTING UP THE HD MODE (HIGH DEFINITION)

SOUND CONTROLS

The HD Mode also offers certain Sound control adjustments to fine tune the sound being heard when in the HD Mode.

1. **Press the HD button** on the remote control to place the TV in the HD Mode.
2. **Press the MENU button** on the remote control to display the HD Mode onscreen menu. The Picture option will be highlighted.
3. **Press the CURSOR DOWN button** until **Sound** is highlighted.
4. **Press the CURSOR RIGHT button** to enter the sound menu.
5. **Press the CURSOR UP or CURSOR DOWN button** to select any of the HD Mode Sound Controls : **Equalizer, Balance, AVL or Dolby Virtual.**
6. **Press the CURSOR LEFT or CURSOR RIGHT button** to adjust the selected control.
7. **Press the STATUS button** when finished to remove the menu from the screen.



HELPFUL HINT

Equalizer – adjusts the sound tones. Select 120Hz to 10KHz.

Balance – adjusts the level of sound coming from the left and right speakers.

AVL (Auto Volume Leveler) - when On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

Dolby Virtual - adds greater depth and dimension to TV sound. Select from Dolby Virtual or Stereo sound (if Stereo) or Spatial or Mono (if Mono).

SETTING UP THE HD MODE (HIGH DEFINITION)

LOCK HD CHANNEL/CHANGE CODE

The HD Mode channel can be blocked to censor the viewing of programming not suitable for children. The HD Mode AutoLock menu also allows you to change your AutoLock Access Code. To block the HD Mode channel and change code, follow the steps below

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight **Features**.

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to select the **AutoLock™** control.

5 **Press the CURSOR RIGHT button** again to highlight **Access Code**.

6 **Enter your four-digit Access Code,** "Correct" will briefly appear on the screen and the AutoLock menu will be accessible.

7 **Press the CURSOR DOWN button** to select **Lock HD.**

8 **Press the CURSOR RIGHT button** to select **On** to activate the blocking of the HD channel. If **On** option is selected, the HD channel will not allow viewing of programs. This control would have to be set to **Off** to make the viewable.

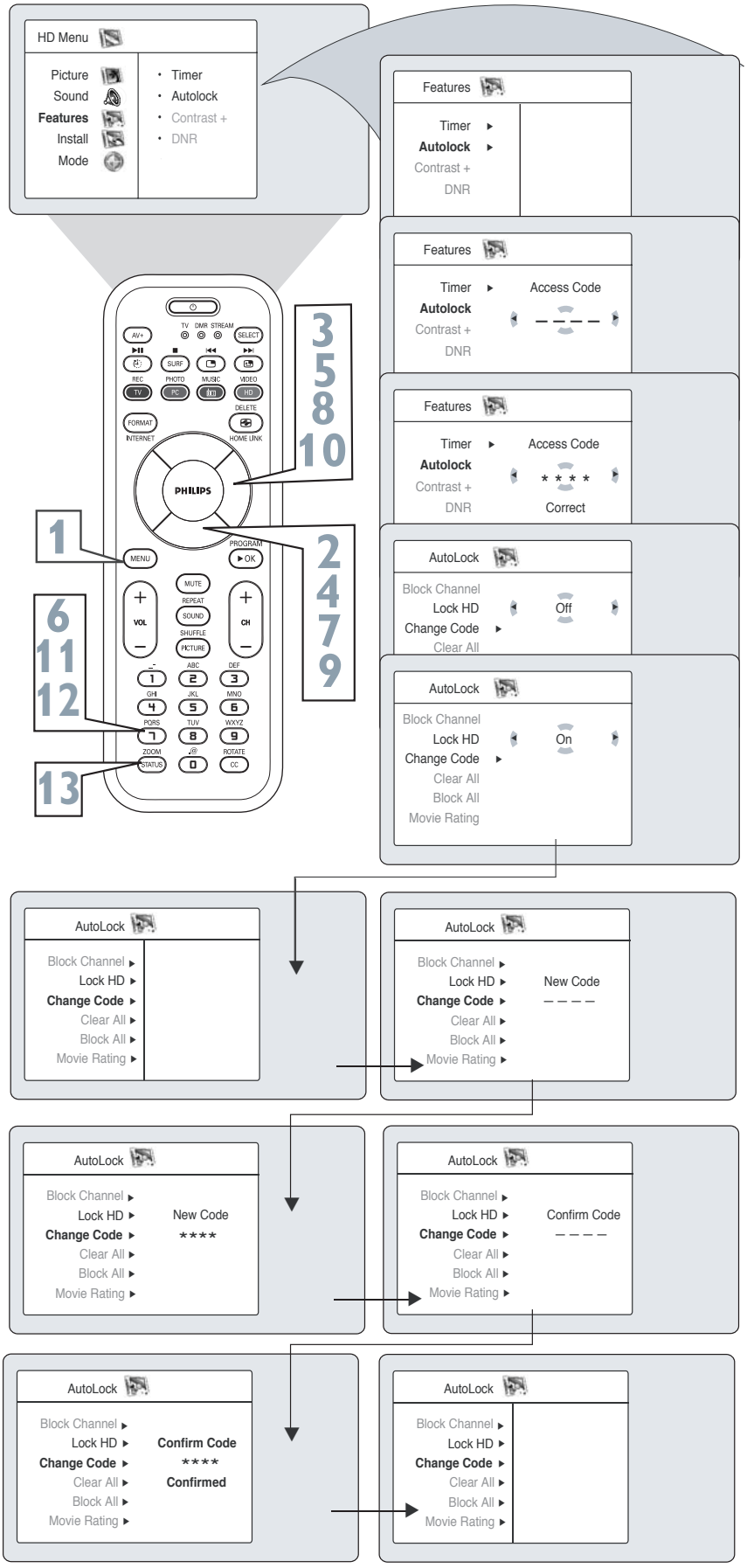
9 If you want to change your Access Code, proceed to press the **CURSOR DOWN** button and select **Change Code** .

10 **Press the CURSOR RIGHT** button to enter **Change Code** mode. "**New Code** " will appear.

11 **Enter a new four-digit code** using the number buttons. "**Confirm Code** " will then appear.

12 **Using the numbered buttons, re-enter your new four-digit code** to confirm. Once message **Confirmed** appears, you have changed to new code.

13 **Press the STATUS button** to remove the menu from the screen.



Troubleshooting Tips

No Power
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Check that the outlet is not on a wall switch.
- Be sure the fuse is not blown on the AC power strip, if one is being used.

No Picture
- Check antenna/cable connections. Are they properly secured to the TV's ANT 75 plug?
- Check the TUNER MODE control for the correct tuner setting.
- Try running the Auto Program feature to find all available channels.
- Press the SOURCE button on the remote to make sure the correct signal source is selected.
- If using an accessory device, be sure that it is functioning properly.
- If in PC Mode, a video signal MUST BE present or the TV will turn off.

No Sound
- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- If you're attempting to hook up auxiliary equipment, check the audio jack connections.

S-VHS color becomes faint
- If S-VHS is disconnected, picture color will become faint. To restore picture color, press the CH +/– button on the remote control and do a channel up followed by a channel down.

TV Only Produces MONO Sound
- If using a cable box with RF only type connections, the signal coming from the cable box will be produced in MONO only.
- Check Sound control setting. Change setting to Stereo.

Remote Does Not Work
- Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.
- Clean the remote control and the remote control sensor window on the TV.
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Be sure the fuse is not blown on the AC power strip, if one is being used.
- Check to be sure the TV outlet is not on a wall switch.
- Be sure that the remote is in the correct operating mode.
- Be sure the remote is pointed at the Remote Sensor Window on the TV. See page 1 of the *Quick Use Guide* for details.

TV Displays Wrong Channel or No Channels Above 13
- Repeat channel selection.
- Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory.
- Check to be sure the TUNER MODES are set to the CABLE option and run the Auto Program feature to find all available channels.

Cleaning and Care

WARNING Concerning Stationary Images on the TV Screen:

Do not leave stationary or letterbox images on screen for extended periods of time. This can cause uneven display aging.

Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen. Be careful not to leave nonmoving images on screen for extended periods of time, or to display the same images on screen too frequently, because subtle ghost images can be left on the picture tubes. Sources of stationary images may be DVD disks, laser disks, video games, CD-i disks, videotapes, digital television boxes, broadcast channels, cable channels, satellite channels, and others. **Here are some examples of stationary images (this is not an all-inclusive list; you may encounter others in your viewing):**
- **DVD menus—**listings of DVD disk content
- **Letterbox black bars—**shown at the top and bottom of the TV screen when a wide screen (16:9) movie is viewed on a TV with standard (4:3) aspect ratio.
- **Video-game images and scoreboards**
- **Television station logos—**present a problem if they are bright and stationary; moving or low-contrast graphics are less likely to cause uneven aging of the picture tube
- **Stock-market tickers—**presented at the bottom of the TV screen
- **Shopping channel logos and pricing displays—**bright and shown constantly or repeatedly in the same location on the TV screen.

Placement of the TV
- To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot; for example, in direct sunlight or near a heating appliance.
- Be sure to allow a free flow of air to and from the perforated back cover of the set.

Cleaning
- To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.
- Regularly dust the TV with a dry, nonscratching duster to keep the TV clean.
- When cleaning the TV, take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive. Do not use household cleaners. Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool, clear water and a mild soap or detergent. Use a clean, dry cloth to dry the wiped surfaces. Do not use acetone, toluene, or alcohol to clean the screen.
- Occasionally vacuum the ventilation holes or slots in the back cover of the set.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

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Warranty 40

PHILIPS LIMITED WARRANTY

One (1) Year Labor and Parts Repair

PHILIPS CONSUMER ELECTRONICS warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

PROOF OF PURCHASE:
You must have proof of the date of purchase to receive warranted repair on the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

COVERAGE:
(If this product is determined to be defective)

LABOR: For a period of one (1) year from the date of purchase, Philips will repair or replace the product, at its option, at no charge, or pay the labor charges to any Philips authorized repair facility. After the period of one (1) year, Philips will no longer be responsible for charges incurred.

PARTS: For a period of one (1) year from the date of purchase, Philips will supply, at no charge, new or rebuilt replacement parts in exchange for defective parts, through a Philips authorized service center.

Note: If Philips is unable to provide service in your area, receipt of the paid service can be submitted for consideration of adjustment or full reimbursement at Philips discretion.

EXCLUDED FROM WARRANTY COVERAGE
Your warranty does not cover:

- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- Damage occurring to product during shipping when improperly packaged or cost associated with packaging.
- Product lost in shipment and no signature verification of receipt can be provided.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Products sold AS IS or RENEWED.

CARRY-IN / SHIP-IN WARRANTY
For Carry-In warranty repair, take the product to a Philips authorized service center for repair. When the product has been repaired, you must pick up the unit at the center.
For Ship-In warranty repair, ship the product to a Philips authorized service center for repair in its original carton and packing material. If you do not have the original carton or packing material, have your product professionally packed for shipping. Ship product via a traceable carrier. When it is necessary for you to ship the product to Philips for repair, you will pay the shipping cost for shipment to Philips. Philips will pay the shipping costs when returning the product to you.

TO OBTAIN WARRANTY SERVICE IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...
Contact Philips Customer Care Center at:
1-888-PHILIPS (1-888-744-5477)

TO OBTAIN WARRANTY SERVICE IN CANADA...
1-800-661-6162 (French Speaking)
1-888-PHILIPS (1-888-744-5477) - (English or Spanish Speaking)

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. PHILIPS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract agreement with the PHILIPS partnership within ninety (90) days of the date of sale, the limitation on how long an implied warranty lasts does not apply.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 671539, Marietta, GA. 30006-0026

(Warranty: 4835 710 27175)